COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: March 2, 2015 Effective Date: April 1, 2015

Expiration Date: April 1, 2020

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 23-00119

Federal Tax Id - Plant Code: 23-3102655-3

Owner Information

Name: SUNOCO PARTNERS MKT & TERM LP
Mailing Address: 100 GREEN ST
MARCUS HOOK, PA 19061-4800

Plant Information

Plant: SPMT / MARCUS HOOK IND COMPLEX
Location: 23 Delaware County 23825 Marcus Hook Borough
SIC Code: 4226 Trans. & Utilities - Special Warehousing And Storage, Nec

Operator

Name: DOROTHY RURAK [If different from owner]
Mailing Address: 100 GREEN ST
MARCUS HOOK, PA 19061-4800

Responsible Official

Name: JONATHAN A HUNT
Title: SENIOR DIRECTOR MHIC
Phone: (610) 859 - 1043

Permit Contact Person

Name: DOROTHY RURAK
Title: SENIOR ENV SPECIALIST
Phone: (610) 859 - 1279

[Signature] _____

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER

SECTION A. Table of Contents

Note: These same sub-sections are repeated for each source!

SECTION A. Table of Contents

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
031	AUXILIARY BOILER 1	392.500	MCF/HR	Natural Gas
		427.500	MCF/HR	PROCESS GAS
032	AUXILIARY BOILER 2	392.500	MCF/HR	Natural Gas
		427.500	MCF/HR	PROCESS GAS
033	AUXILIARY BOILER 3	392.500	MCF/HR	Natural Gas
		427.500	MCF/HR	PROCESS GAS
034	AUXILIARY BOILER 4	392.500	MCF/HR	Natural Gas
		427.500	MCF/HR	PROCESS GAS
113	(6) DIESEL ENGINE PUMPS		N/A	#2 Oil
115	MARINE VESSEL LOADING		N/A	PETROLEUM PRODUCTS
116	MARINE VESSEL BALLASTING		N/A	BALLAST WATER
121	TANK 139 INT FLOAT 6.5 MBBL		N/A	PETRO. LIQUIDS
122	TANK 130 EXT FLOAT 208.5 MBBL		N/A	PETROL. LIQUIDS
123	TANK 131 EXT FLOAT 208.5 MBBL		N/A	PETROL. LIQUIDS
128	TANK 234 INT FLOAT 70.1 MBBL		N/A	PETROL. LIQUIDS
130	TANK 132 INT FLOAT 14.6 MBBL		N/A	PETROL. LIQUIDS
131	TANK 241 INT FLOAT 60.9 MBB		N/A	PETROL LIQUIDS
132	TANK 242 INT FLOAT 69.2 MBBL		N/A	PETROL LIQUIDS
133	TANK 246 INT FLOAT 54.4 MBBL		N/A	PETROL LIQUIDS
134	TANK 248 INT FLOAT 52.4 MBBL		N/A	PETROL LIQUIDS
135	TANK 249 INT FLOAT 53.8 MBBL		N/A	PETROL LIQUIDS
136	TANK 250 INT FLOAT 80.4 MBBL		N/A	PETROL LIQUIDS
137	TANK 137 INT FLOAT 5 MBBL		N/A	PETROL LIQUIDS
138	TANK 252 EXT FLOAT 81.3 MBBL		N/A	PETROL LIQUIDS
139	COOLING TOWERS		N/A	RECYCLE WATER
146	TANK 344 FIXED ROOF 190.3 MBBL		N/A	PETROL LIQUIDS
147	TANK 351 INT FLOAT 179.7 MBBL		N/A	PETROL LIQUIDS
148	TANK 352 INT FLOAT 179.7 MBBL		N/A	PETROL LIQUIDS
149	TANK 353 INT FLOAT 189.7 MBBL		N/A	PETROL LIQUIDS
150	TANK 354 INT FLOAT 182.2 MBBL		N/A	PETROL LIQUIDS
151	TANK 355 INT FLOAT 189.7 MBBL		N/A	PETROL LIQUIDS
154	TANK 386 EXT FLOAT 80.7 MBBL		N/A	PETROL LIQUIDS
155	TANK 387 INT FLOAT 80.7 MBBL		N/A	PETROL LIQUIDS
156	TANK 388 INT FLOAT 80.9 MBBL		N/A	PETROL LIQUIDS
157	TANK 389 INT FLOAT 80.7 MBBL		N/A	PETROL LIQUIDS
158	TANK 390 INT FLOAT 76.53 MBB		N/A	PETROL LIQUIDS
170	TANK 452 INT FLOAT 11.7 MBBL		N/A	PETROL LIQUIDS
172	TANK 454 INT FLOAT 11.8 MBBL		N/A	PETROL LIQUIDS
173	TANK 455 INT FLOAT 11.9 MBBL		N/A	PETROL LIQUIDS
175	TANK 522 EXT FLOAT 81.3 MBBL		N/A	PETROL LIQUIDS
176	TANK 523 EXT FLOAT 81.9 MBBL		N/A	PETROL LIQUIDS

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
177	TANK 524 INT FLOAT 75.7 MBBL	N/A	PETROL LIQUIDS
178	TANK 527 INT FLOAT 69.7 MBBL	N/A	PETROL LIQUIDS
179	TANK 528 EXT FLOAT 149.2 MBBL	N/A	PETROL LIQUIDS
180	TANK 529 EXT FLOAT 149.2 MBBL	N/A	PETROL LIQUIDS
181	TANK 593 INT FLOAT 130.1 MBBL	N/A	PETROL LIQUIDS
182	TANK 594 EXT FLOAT 81.3 MBBL	N/A	PETROL LIQUIDS
183	TANK 595 EXT FLOAT 85.7 MBBL	N/A	PETROL LIQUIDS
184	TANK 596 EXT FLOAT 81.3 MBBL	N/A	PETROL LIQUIDS
185	TANK 597 EXT FLOAT 81.3MBBL	N/A	PETROL LIQUIDS
186	TANK 598 INT FLOAT 49.6 MBBL	N/A	PETROL LIQUIDS
187	TANK 599 INT FLOAT 53.4 MBBL	N/A	PETROL LIQUIDS
188	TANK 607 INT FLOAT 100 MBBL	N/A	PETROL LIQUIDS
190	TANK 609 INT FLOAT 98.17 MBBL	N/A	PETROL LIQUIDS
192	TANK 611 INT FLOAT 87.8 MBBL	N/A	PETROL LIQUIDS
193	TANK 612 INT FLOAT 103.4 MBBL	N/A	PETROL LIQUIDS
194	TANK 613 INT FLOAT 14.2 MBBL	N/A	PETROL LIQUIDS
197	TANK 618 INT FLOAT 14.6 MBBL	N/A	PETROL LIQUIDS
198	TANK 619 INT FLOAT 14.2 MBBL	N/A	PETROL LIQUIDS
202	TANK 3 INT FLOAT 41.0 MBBL	N/A	PETROL LIQUIDS
203	TANK 12 FIXED ROOF 54 MBBL	N/A	PETROL LIQUIDS
204	TANK 253 INT FLOAT 90.5 MBBL	N/A	PETROL LIQUIDS
210	TANK 443 INT FLOAT 20.0 MBBL	N/A	PETROL. LIQUIDS
211	TANK 467 INT FLOAT 32.5 MBBL	N/A	PETROL LIQUIDS
212	TANK 610 INT FLOAT 96.0 MBBL	N/A	PETROL LIQUIDS
213	TANK 614 INT FLOAT 13.2 MBBL	N/A	PETROL. LIQUIDS
214	TANK 615 INT FLOAT 14.4 MBBL	N/A	PETROL. LIQUIDS
215	TANK 616 INT FLOAT 14.5 MBBL	N/A	PETROL. LIQUIDS
216	TANK 617 INT FLOAT 14.4 MBBL	N/A	PETROL. LIQUIDS
217	TANK 620 INT FLOAT 12.5 MBBL	N/A	PETROL. LIQUIDS
221	TANK 23 INT FLOAT 0.14 MBBL	N/A	PETROL. LIQUIDS
223	TANK 634 INT FLOAT 11.83 MBBL	N/A	PETROL. LIQUIDS
224	TANK 635 INT FLOAT 11.92 MBBL	N/A	PETROL. LIQUIDS
225	TANK 638 INT FLOAT 61.13 MBBL	N/A	PETROL. LIQUIDS
245	TANK 245 FIXED ROOF 45 MBBL	N/A	PETROL. LIQUIDS
300	MISC TANKS	N/A	PETROL LIQUIDS
301	TANK 491 INT FLOAT 50.2 MBBL	N/A	PETROL. LIQUIDS
302	TANK 2 INT FLOAT 59.5 MBBL	N/A	PETROL. LIQUIDS
340	TANK 340 FIXED ROOF 198.8 MBBL	N/A	PETROL. LIQUIDS
347	TANK 347 FIXED ROOF 190 MBBL	N/A	PETROL. LIQUIDS
348	TANK 348 FIXED ROOF 190 MBBL	N/A	PETROL. LIQUIDS

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
357	TANK 357 INT FLOAT 182.9 MBBL	N/A	PETROL. LIQUIDS
358	TANK 358 INT FLOAT 182.9 MBBL	N/A	PETROL. LIQUIDS
367	DIESEL STORAGE TANK		
368	VEHICLE REFUELING (GAS/DIESEL)		
402	BLIND CHANGING	N/A	PETROL. LIQUIDS
606	TANK 244 FIX ROOF 68.4 MBBL	N/A	PETROL. LIQUIDS
607	TANK 243 FIX ROOF 54.4 MBBL	N/A	PETROL. LIQUIDS
701	WASTEWATER TREATMENT SYSTEM	N/A	PETROL. LIQUIDS
800	NESHAP FUGITIVE EQUIPMENT	N/A	PETROL. LIQUIDS
801	FUGITIVE EQUIPMENT	N/A	PETROL. LIQUIDS
880	TANK 880 FIXED ROOF 103 BBL	N/A	PETROL. LIQUIDS
887	TANK 887 FIXED ROOF 143 BBL	N/A	PETROL. LIQUIDS
T001	NSPS KB EXT FLOAT TANKS	N/A	PETROL LIQUIDS
T002	NSPS KB INT FLOAT TANKS	N/A	PETROL LIQUIDS
T003	NESHAP SUBPART R TANKS	N/A	PETROL LIQUIDS
T004	NESHAP SUBPART EEEE TANKS	N/A	PETROL LIQUIDS
C031	LOW NOX BURNERS & FGR (AUX BOILER 1)		
C032	LOW NOX BURNERS & FGR (AUX BOILER 2)		
C033	LOW NOX BURNERS & FGR (AUX BOILER 3)		
C034	LOW NOX BURNERS & FGR (AUX BOILER 4)		
C115	VAPOR RECOVERY SYSTEM		
C701	CARBON CANISTERS		
FML01	NATURAL GAS		
FML02	PROCESS GAS		
S031	AUX BOILER 1 STACK		
S032	AUX BOILER 2 STACK		
S033	AUX BOILER 3 STACK		
S034	AUX BOILER 4 STACK		
S113	DIESEL PUMP STACKS (6)		
Y213	TANK 614 INT FLOAT FUGITIVES		
Y214	TANK 615 INT FLOAT FUGITIVES		
Y215	TANK 616 INT FLOAT FUGITIVES		
Y216	TANK 617 INT FLOAT FUGITIVES		
Y217	TANK 620 INT FLOAT FUGITIVES		
Y301	TANK 491 INT FLOAT FUGITIVES		
Y302	TANK 2 INT FLOAT FUGITIVES		
Y402	BLIND CHANGING FUGITIVES		
Z115	MARINE VESSEL LOADING FUGITIVES		
Z116	MARINE VESSEL BALLASTING FUGITIVES		
Z121	TANK 139 INT FLOAT FUGITIVES		

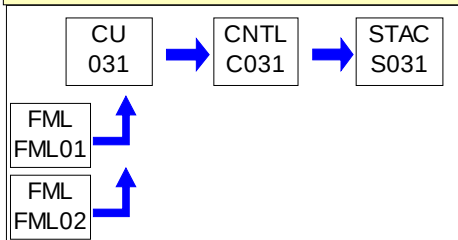
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z122	TANK 130 EXT FLOAT FUGITIVES		
Z123	TANK 131 EXT FLOAT FUGITIVES		
Z128	TANK 234 INT FLOAT FUGITIVES		
Z130	TANK 132 INT FLOAT FUGITIVES		
Z131	TANK 241 INT FLOAT FUGITIVES		
Z132	TANK 242 INT FLOAT FUGITIVES		
Z133	TANK 246 INT FLOAT FUGITIVES		
Z134	TANK 248 INT FLOAT FUGITIVES		
Z135	TANK 249 INT FLOAT FUGITIVES		
Z136	TANK 250 INT FLOAT FUGITIVES		
Z137	TANK 137 INT FLOAT FUGITIVES		
Z138	TANK 252 EXT FLOAT FUGITIVES		
Z139	COOLING TOWER FUGITIVES		
Z146	TANK 344 FIXED ROOF FUGITIVES		
Z147	TANK 351 INT FLOAT FUGITIVES		
Z148	TANK 352 INT FLOAT FUGITIVES		
Z149	TANK 353 INT FLOAT FUGITIVES		
Z150	TANK 354 INT FLOAT FUGITIVES		
Z151	TANK 355 INT FLOAT FUGITIVES		
Z154	TANK 386 EXT FLOAT FUGITIVES		
Z155	TANK 387 INT FLOAT FUGITIVES		
Z156	TANK 388 INT FLOAT FUGITIVES		
Z157	TANK 389 INT FLOAT FUGITIVES		
Z158	TANK 390 INT FLOAT FUGITIVES		
Z170	TANK 452 INT FLOAT FUGITIVES		
Z172	TANK 454 INT FLOAT FUGITIVES		
Z173	TANK 455 INT FLOAT FUGITIVES		
Z175	TANK 522 EXT FLOAT FUGITIVES		
Z176	TANK 523 EXT FLOAT FUGITIVES		
Z177	TANK 524 INT FLOAT FUGITIVES		
Z178	TANK 527 INT FLOAT FUGITIVES		
Z179	TANK 528 EXT FLOAT FUGITIVES		
Z180	TANK 529 EXT FLOAT FUGITIVES		
Z181	TANK 593 INT FLOAT FUGITIVES		
Z182	TANK 594 EXT FLOAT FUGITIVES		
Z183	TANK 595 EXT FLOAT FUGITIVES		
Z184	TANK 596 EXT FLOAT FUGITIVES		
Z185	TANK 597 EXT FLOAT FUGITIVES		
Z186	TANK 598 INT FLOAT FUGITIVES		
Z187	TANK 599 INT FLOAT FUGITIVES		
Z188	TANK 607 INT FLOAT FUGITIVES		

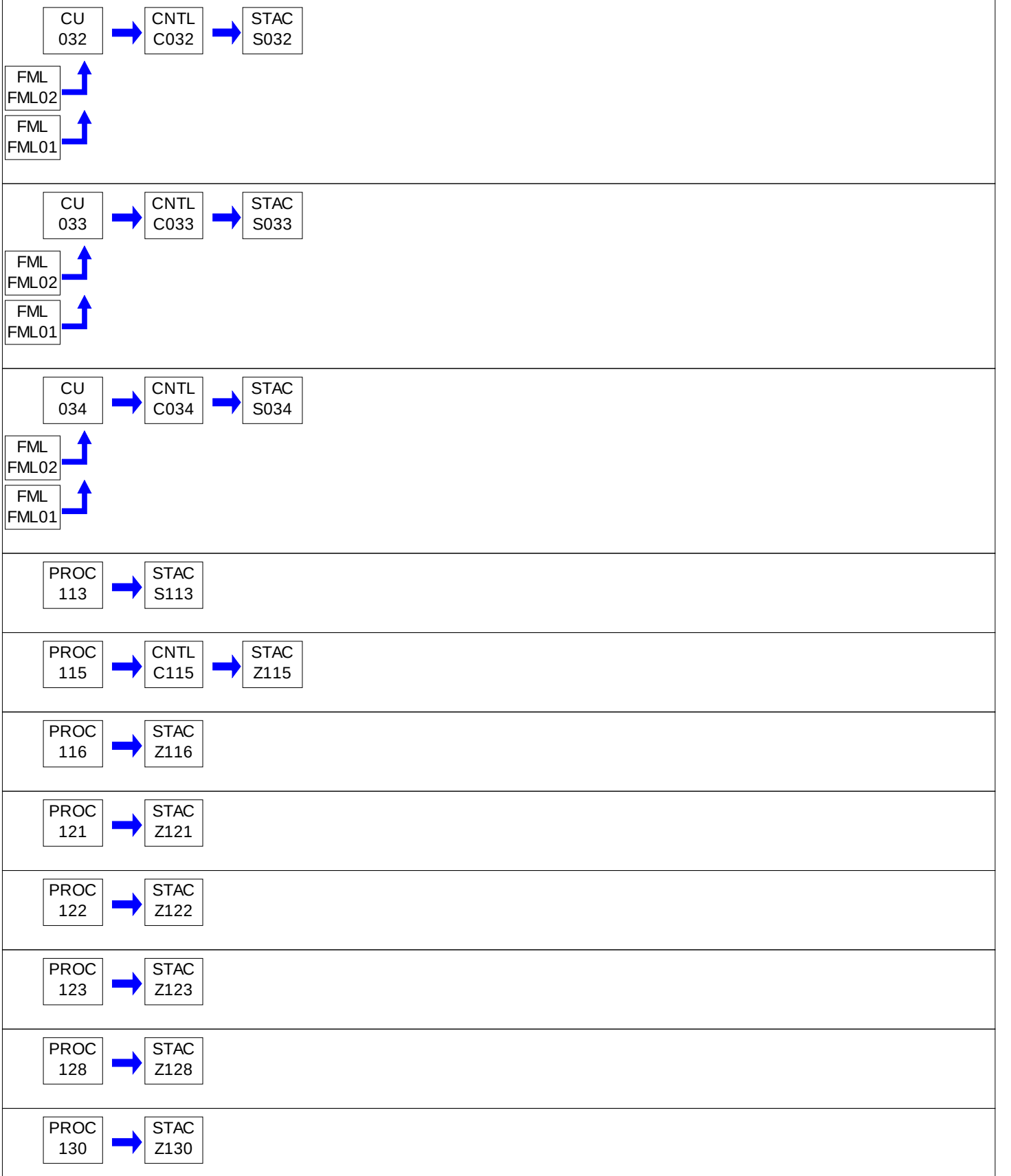
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z190	TANK 609 INT FLOAT FUGITIVES		
Z192	TANK 611 INT FLOAT FUGITIVES		
Z193	TANK 612 INT FLOAT FUGITIVES		
Z194	TANK 613 INT FLOAT FUGITIVES		
Z197	TANK 618 INT FLOAT FUGITIVES		
Z198	TANK 619 INT FLOAT FUGITIVES		
Z202	TANK 3 INT FLOAT FUGITIVES		
Z203	TANK 12 FIXED ROOF FUGITIVES		
Z204	TANK 253 INT FLOAT FUGITIVES		
Z210	TANK 443 INT FLOAT FUGITIVES		
Z211	TANK 467 INT FLOAT FUGITIVES		
Z212	TANK 610 INT FLOAT FUGITIVES		
Z221	TANK 23 INT FLOAT FUGITIVES		
Z223	TANK 634 INT FLOAT FUGITIVES		
Z224	TANK 635 INT FLOAT FUGITIVES		
Z225	TANK 638 INT FLOAT FUGITIVES		
Z245	TANK 245 CONE ROOF FUGITIVES		
Z300	MISC TANKS FUGITIVES		
Z340	TANK 340 FIXED ROOF FUGITIVES		
Z347	TANK 347 FIXED ROOF FUGITIVES		
Z348	TANK 348 FIXED ROOF FUGITIVES		
Z357	TANK 357 FUGITIVES		
Z358	TANK 358 FUGITIVES		
Z368	VEHICLE LOADING (GAS/DIESEL) FUGITIVES		
Z606	TANK 244 FIX ROOF FUGITIVES		
Z607	TANK 243 FIX ROOF FUGITIVES		
Z701	WASTEWATER TREATMENT SYSTEM FUGITIVES		
Z800	LIQUID PETROLEUM FUGITIVE EMISSIONS		
Z801	NSPS EQUIPMENT FUGITIVES		
Z880	TANK 880 CONE ROOF FUGITIVES		
Z887	TANK 887 CONE ROOF FUGITIVES		

PERMIT MAPS



PERMIT MAPS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CNTL C034
STAC S034
FML FML02
FML FML01
PROC 113
STAC S113
PROC 115
CNTL C115
STAC Z115
PROC 116
STAC Z116
PROC 121
STAC Z121
PROC 122
STAC Z122
PROC 123
STAC Z123
PROC 128
STAC Z128
PROC 130
STAC Z130

PERMIT MAPS

PROC 131	STAC Z131
PROC 132	STAC Z132
PROC 133	STAC Z133
PROC 134	STAC Z134
PROC 135	STAC Z135
PROC 136	STAC Z136
PROC 137	STAC Z137
PROC 138	STAC Z138
PROC 139	STAC Z139
PROC 146	STAC Z146
PROC 147	STAC Z147
PROC 148	STAC Z148
PROC 149	STAC Z149
PROC 150	STAC Z150
PROC 151	STAC Z151

PERMIT MAPS

PROC 154	STAC Z154
PROC 155	STAC Z155
PROC 156	STAC Z156
PROC 157	STAC Z157
PROC 158	STAC Z158
PROC 170	STAC Z170
PROC 172	STAC Z172
PROC 173	STAC Z173
PROC 175	STAC Z175
PROC 176	STAC Z176
PROC 177	STAC Z177
PROC 178	STAC Z178
PROC 179	STAC Z179
PROC 180	STAC Z180
PROC 181	STAC Z181

PERMIT MAPS

PROC 182	STAC Z182
PROC 183	STAC Z183
PROC 184	STAC Z184
PROC 185	STAC Z185
PROC 186	STAC Z186
PROC 187	STAC Z187
PROC 188	STAC Z188
PROC 190	STAC Z190
PROC 192	STAC Z192
PROC 193	STAC Z193
PROC 194	STAC Z194
PROC 197	STAC Z197
PROC 198	STAC Z198
PROC 202	STAC Z202
PROC 203	STAC Z203

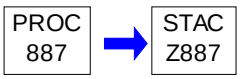
PERMIT MAPS

PROC 204	STAC Z204
PROC 210	STAC Z210
PROC 211	STAC Z211
PROC 212	STAC Z212
PROC 213	STAC Y213
PROC 214	STAC Y214
PROC 215	STAC Y215
PROC 216	STAC Y216
PROC 217	STAC Y217
PROC 221	STAC Z221
PROC 223	STAC Z223
PROC 224	STAC Z224
PROC 225	STAC Z225
PROC 245	STAC Z245
PROC 300	STAC Z300

PERMIT MAPS

PROC 301	→ STAC Y301	
PROC 302	→ STAC Y302	
PROC 340	→ STAC Z340	
PROC 347	→ STAC Z347	
PROC 348	→ STAC Z348	
PROC 357	→ STAC Z357	
PROC 358	→ STAC Z358	
PROC 368	→ STAC Z368	
PROC 402	→ STAC Y402	
PROC 606	→ STAC Z606	
PROC 607	→ STAC Z607	
PROC 701	→ CNTL C701	→ STAC Z701
PROC 800	→ STAC Z800	
PROC 801	→ STAC Z801	
PROC 880	→ STAC Z880	

PERMIT MAPS



SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.512(c)(4)]

Property Rights

This permit does not convey property rights of any sort, or any exclusive privileges.

#003 [25 Pa. Code § 127.446(a) and (c)]

Permit Expiration

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

#004 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]

Permit Renewal

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#005 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

Transfer of Ownership or Operational Control

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

(1) The Department determines that no other change in the permit is necessary;

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,

(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.

SECTION B. General Title V Requirements

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#006 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]

Inspection and Entry

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#007 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]

Compliance Requirements

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

#008 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

SECTION B. General Title V Requirements

#009 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

Duty to Provide Information

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#010 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

Reopening and Revising the Title V Permit for Cause

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#011 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#012 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541.

SECTION B. General Title V Requirements

#013 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications).

#014 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a).

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#015 [25 Pa. Code § 127.512(b)]

Severability Clause

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction, or US EPA to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#016 [25 Pa. Code §§ 127.704, 127.705 & 127.707]

Fee Payment

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#017 [25 Pa. Code §§ 127.14(b) & 127.449]

Authorization for De Minimis Emission Increases

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or

SECTION B. General Title V Requirements

(2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NOx from a single source during the term of the permit and 5 tons of NOx at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM10 from a single source during the term of the permit and 3.0 tons of PM10 at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

SECTION B. General Title V Requirements

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#018 [25 Pa. Code §§ 127.11a & 127.215]

Reactivation of Sources

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#019 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#020 [25 Pa. Code §§ 127.402(d) & 127.513(1)]

Submissions

(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the permit transmittal letter,
or otherwise notified)

SECTION B. General Title V Requirements

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#021 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]

Sampling, Testing and Monitoring Procedures

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#022 [25 Pa. Code §§ 127.511 & Chapter 135]

Recordkeeping Requirements

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

(1) The date, place (as defined in the permit) and time of sampling or measurements.

(2) The dates the analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of the analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

SECTION B. General Title V Requirements

#023 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

Reporting Requirements

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #020(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#024 [25 Pa. Code § 127.513]

Compliance Certification

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

(1) The identification of each term or condition of the permit that is the basis of the certification.

(2) The compliance status.

(3) The methods used for determining the compliance status of the source, currently and over the reporting period.

(4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.

#025 [25 Pa. Code § 127.3]

Operational Flexibility

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

SECTION B. General Title V Requirements

(5) Section 127.450 (relating to administrative operating permit amendments)

(6) Section 127.462 (relating to minor operating permit amendments)

(7) Subchapter H (relating to general plan approvals and operating permits)

#026 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

Risk Management

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

(i) Three years after the date on which a regulated substance is first listed under § 68.130; or,

(ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #24 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

SECTION B. General Title V Requirements

#027 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#028 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]

Permit Shield

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §121.7]

Prohibition of air pollution.

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

 # 002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee may not permit the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

(a) construction or demolition of buildings or structures;
(b) grading, paving, and maintenance of roads and streets;
(c) use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets;
(d) clearing of land;
(e) stockpiling of materials;
(f) open burning operations (see 25 PA Code Section 129.14 for restrictions on open burning); and
(g) sources, and classes of sources, other than those identified in (a) - (f) above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive emissions from the source, after appropriate controls, meet the following requirements:
(1) the emissions are of minor significance with respect to causing air pollution; and
(2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

 # 003 [25 Pa. Code §123.2]

Fugitive particulate matter

The permittee may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a)(1) - (9) (relating to prohibition of certain fugitive emissions) if the emissions are visible at the point the emissions pass outside the property.

 # 004 [25 Pa. Code §123.31]

Limitations

The permittee may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property boundary on which the source(s) is being operated.

 # 005 [25 Pa. Code §123.41]

Limitations

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

(a) equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour; or
(b) equal to or greater than 60% at any time.

 # 006 [25 Pa. Code §123.42]

Exceptions

The visible emission limitations, of this Section, shall not apply to a visible emission in either of the following instances:

(a) when the presence of uncombined water is the only reason for failure to meet the limitations; or
(b) when the emission results from the sources specified in Condition #002, of this Section.

 # 007 [25 Pa. Code §129.14]

Open burning operations

The permittee may not permit the open burning of material in the Southeast Air Basin, except when the open burning results from:

(a) a fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer;
(b) any fire set for the purpose of instructing personnel in firefighting, when approved by the Department; or

SECTION C. Site Level Requirements

(c) a fire set for the prevention and control of disease or pests, when approved by the Department.

II. TESTING REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

(a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Sections A, and G, of this Permit, may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
(b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall perform a stack test using the Department-approved procedures, every five (5) years or once within the life of the permit. Such testing shall be conducted at least 12 months prior to the expiration of this permit. The stack test results shall be submitted for review no later than 6 months before the permit expiration.
(b) At least sixty (60) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
(c) Tests shall be conducted in accordance with the provisions of EPA Methodologies or other Department approved methodology and 25 Pa. Code, Chapter 139.
(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
(e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

III. MONITORING REQUIREMENTS.

 # 010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

(a) a device approved by the Department and maintained to provide accurate opacity measurements; or
(b) observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A, of this Permit, may be in excess of the limitations specified in this Permit, established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, or additional information previously reported to the Department, the permittee shall be required to conduct monitoring and recordkeeping of parameters and at a frequency deemed necessary by the Department to determine the actual emission rate.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

SECTION C. Site Level Requirements

(a) The permittee shall monitor the facility, once per operating day, for the following:
(1) odors which may be objectionable (as per 25 Pa. Code § 123.31).
(2) visible emissions (as per 25 Pa. Code §§ 123.41 and 123.42).
(3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, which may cause annoyance or discomfort to the public noticed at the site property boundaries that are caused or may be caused by operations at the site, as well as fugitive particulate emissions that originated on-site and cross the property line, and visible emissions that originated on site shall:
(1) be investigated;
(2) be reported to the Environmental Department;
(3) have appropriate corrective taken (for emissions that originate on-site); and
(4) be recorded in the permanent written log.

IV. RECORDKEEPING REQUIREMENTS.

 # 013 [25 Pa. Code §127.441]
Operating permit terms and conditions.
The permittee shall maintain records for all de minimis source categories in order to demonstrate compliance with the de minimis limits for VOC of three pounds per hour, 15 pounds per day and 2.7 tons per year for each category.

 # 014 [25 Pa. Code §127.441]
Operating permit terms and conditions.
[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

(a) The permittee shall record all spills/releases of petroleum liquids, of the following amounts, in a written file:
(1) a release of more than 25 gallons to a containment area, structure or facility around an aboveground storage tank;
(2) a release of more than 5 gallons to a synthetic surface, such as asphalt or concrete; and
(3) a release of more than one gallon to surface soils.

(b) Information to be recorded, at a minimum, shall be the following:
(1) the quantity of substance involved;
(2) the date and time the release occurred; and
(3) interim remedial action planned, initiated, and/or completed.

(c) The permittee shall keep these records at the site location for a period of five (5) years and shall make them available to the Department upon request

 # 015 [25 Pa. Code §127.441]
Operating permit terms and conditions.
The permittee shall maintain records on all air pollution control system performance evaluations and records of calibration checks, adjustments, and maintenance performed on all sources identified in this permit.

 # 016 [25 Pa. Code §127.441]
Operating permit terms and conditions.
A copy of all manufacturer's specifications shall be kept for all CEMs that are required by this operating permit.

 # 017 [25 Pa. Code §127.441]
Operating permit terms and conditions.
[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

(a) The permittee shall maintain a daily record of all reports of fugitive emissions (except LDAR), visible emissions, and odor monitoring, including those that deviate from the terms and conditions of this permit. The report(s) shall contain, at a minimum, the following items:
(1) date, time, and location of the incident(s);
(2) to the extent known, identification of the primary cause of the event; and
(3) a description of any response action taken, if necessary to address the situation.

(b) All records generated shall be maintained and kept at the facility for a period of not less than 5 years and shall be made

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available to the Department upon written or verbal request at a reasonable time.

 # 018 [25 Pa. Code §127.441]
Operating permit terms and conditions.
The permittee shall keep a record of all stack tests and reports that are required by this operating permit.

 # 019 [25 Pa. Code §127.441]
Operating permit terms and conditions.
[Additional authority for this permit condition is derived from 40 CFR § 60, Subpart Db and 25 Pa. Code §§ 123.51, 139.101(5), and 139.101(12).]

The permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the "Record Keeping and Reporting" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-005, and the recordkeeping requirements established in 40 CFR 60, Subpart Db.

Records shall be retained for at least 5 years and shall be made available to the Department upon request.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

 # 020 [25 Pa. Code §127.441]
Operating permit terms and conditions.
Unless specified elsewhere in this operating permit, all records shall be maintained for a minimum of five (5) years and be made available to the Department upon request.

 # 021 [25 Pa. Code §129.56]
Storage tanks greater than 40,000 gallons capacity containing VOCs
(a) For storage tanks with a capacity greater than 40,000 gallons storing VOCs with a vapor pressure greater than 1.5 psia under actual storage conditions shall, on a monthly basis, maintain records of the following information for each storage tank:

(1) the name of the petroleum liquid being stored in the tank;
(2) the period of time over which the liquid was stored; and
(3) the maximum true vapor pressure of the particular liquid stored during the term of its storage.

(b) For volatile organic compounds whose storage temperature is governed by ambient weather conditions, the vapor pressure under actual storage conditions shall be determined using a temperature which is representative of the average storage temperature of the hottest month of the year in which such storage takes place.

 # 022 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.154]
Subpart F--Recycling and Emissions Reduction
Prohibitions.
[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

For appliances normally containing fifty (50) or more pounds of refrigerant, the date and type of service and the quantity of refrigerant added shall be recorded. These records shall be kept for a minimum of five (5) years.

V. REPORTING REQUIREMENTS.

 # 023 [25 Pa. Code §127.441]
Operating permit terms and conditions.
The permittee shall submit the following reports:

(a) an annual certificate of compliance, due by April 1st of each year, for the period covering January 1 through December 31 of the previous year. This certificate of compliance shall document compliance with all permit terms and conditions set

SECTION C. Site Level Requirements

forth in this Title V permit as required under Condition # 024, Section B, of this permit. The annual certificate of compliance shall be submitted to the Department in paper form, and EPA Region III in electronic form at the following email address:
R3_APD_Permits@epa.gov

(b) a semi-annual deviation report, due by October 1, of each year, for the period covering January 1 through June 30 of the same year. Note: The annual compliance certification fulfills the obligation for the second deviation reporting period (July 1 through December 31 of the previous year).

 # 024 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

(a) The permittee shall, within two (2) hours, of becoming knowledgeable, of any occurrence, notify the Department, at (484) 250-5920, of any malfunction of the source(s) or associated air pollution control devices listed in Section A (including facility fugitives), of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit, or regulations contained in 25 Pa. Code Article III that are not measured by a Department certified continuous monitor. Reports of excess emissions from these continuous monitors are also reported in conformance with 40 CFR §§ 60.7(c) and 60.105(c)(3).
(b) Malfunction(s) which occur at this Title V facility, that pose(s) an imminent danger to public health, safety, welfare and the environment, and would violate permit conditions if the source were to continue to operate after the malfunction, shall immediately be reported to the Department by telephone at the above number.
(c) A written summary in the form of a letter or facsimile that is signed by authorized facility personnel knowledgeable of the incident shall be submitted to the Department within two (2) business days, with a detailed report to be submitted as soon as practicable, but no later than fourteen (14) calendar days, following the notification of the incident, and shall describe the following:
(1) the malfunction(s);
(2) the emissions [type of contaminant(s) and approximate amount (if known)];
(3) the duration; and
(4) any corrective action taken.

 # 025 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall notify the Department as soon as practicable of any release of gasoline or any other volatile organic compound that is not under control, not completely contained and not completely recovered within twenty-four (24) hours of its occurrence at (484) 250-5920. A release is defined as, but is not limited to a release of more than 25 gallons to an above ground surface.

(b) The permittee shall describe, to the extent information is available:
(1) the quantity of substance involved;
(2) date and time the release occurred;
(3) actual or potential danger to public health; and
(4) interim remedial actions planned, initiated, or completed.

 # 026 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR § 60, Subpart Db and 25 Pa. Code §§ 123.51, 139.101(5), and 139.101(12).]

The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), the "Record Keeping and Reporting" requirements as established in the Department's Continuous Source Monitoring Manual, Revision No. 6 or 7 (as applicable), 274-0300-001[, and the reporting requirements established in 40 CFR 60, Subpart Db.

The permittee shall report emissions for all periods of unit operation, including startup, shutdown and malfunction.

Initial quarterly reports following system certification shall be submitted to the Department within thirty-five (35) days

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following the date upon which the Department notifies the permittee, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards.

Subsequent quarterly reports shall be submitted to the Department within 30 days after the end of each calendar quarter.

Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

 # 027 [25 Pa. Code §135.21]

Emission statements

The permittee shall submit by March 1, of each year, an annual emission statement for the preceding calendar year. Additionally, a description of the method used to calculate the emissions and the time period over which the calculation is based shall be included. The statement shall contain a certification by a responsible official that the information contained in the statement is true and accurate.

 # 028 [25 Pa. Code §135.3]

Reporting

If the permittee has been previously advised by the Department to submit a source report, the permittee shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information from all previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported, including those sources listed in the Miscellaneous Section of this permit.

The permittee may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

 # 029 [40 CFR Part 61 NESHAPs §40 CFR 61.145]

Subpart M--National Emission Standard for Asbestos

Standard for demolition and renovation.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall provide the Department with notification prior to any demolition/renovation in accordance with the provisions of 40 CFR 61, Subpart M.

VI. WORK PRACTICE REQUIREMENTS.

 # 030 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from sources listed under condition #002 of this section. These actions shall include, but not be limited to, the following:

(a) use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land;
(b) application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts;
(c) paving and maintenance of roadways; and
(d) prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

 # 031 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall ensure that the sources and air pollution control devices, listed in Sections A and G, of this permit, are operated and maintained in a manner consistent with good engineering and maintenance practices, competent air

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pollution control practices, and in accordance with manufacturers specifications.

 # 032 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall reduce emissions of Class I and class II refrigerants during the service, maintenance, repair, and disposal of equipment in accordance with the requirements of 40 CFR 82, Subpart F, Recycling and Emissions Reduction.

 # 033 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall immediately implement measures to reduce the air contaminant emissions to within applicable limitations if at any time the operation of the source(s) identified in Section A, of this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

If necessary, the permittee shall file an application for the installation of an air cleaning device(s).

 # 034 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR § 60, Subpart Db and 25 Pa. Code §§ 123.51, 139.101(5), and 139.101(12).]

Continuous Emission Monitoring Systems and components must be operated and maintained in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the "Quality Assurance" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-005.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

 # 035 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Wastewater separators. No person may permit the use of a compartment of a single or multiple compartment volatile organic compound wastewater separator which compartment receives effluent water containing 200 gallons a day or more of any volatile organic compound from equipment processing, refining, treating, storing, or handling volatile organic compounds unless the compartment is equipped with one of the following vapor loss control devices--properly installed, in good working order, and in operation--as follows:

(1) a container having all openings sealed and totally enclosing the liquid contents. Gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place; and

(2) a container equipped with a floating roof--consisting of a pontoon-type roof, double-deck-type roof, or internal floating cover--which will rest on the surface of the contents and be equipped with closure seal or seals to close the space between the roof edge and container wall. Gauging and sampling devices shall be gas tight except when gauging or sampling is taking place.

(b) Pumps and compressors. All pumps and compressors handling volatile organic compounds with a vapor pressure of greater than 1.5 psi (10.3 kilopascals) at actual conditions shall have mechanical seals. For the purpose of determining vapor pressure, a temperature no greater than 100°F (37.8°C) shall be used.

(c) Vacuum-producing systems. Vacuum producing systems shall conform with the following:

(1) the permittee of any vacuum-producing system at the facility may not permit the emission of any volatile organic compounds from the condensers, hot wells, or accumulators of the system; and

(2) the emission limit under (c)(1), above shall be achieved by one of the following:

(i) piping the vapors to a firebox or incinerator;

(ii) compressing the vapors and adding them to the facility fuel gas system; and

(iii) any method approved by the Department which recovers no less than 90% by weight of uncontrolled volatile organic

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compounds that would otherwise be emitted to the atmosphere.

(d) Process unit turnarounds. Purging of volatile organic compounds during depressurization of reactors, fractionating columns, pipes, or vessels during unit shut-down, repair, inspection, or startup shall be performed in such a manner as to direct the volatile organic vapors to a fuel gas system, flare, or vapor recovery system until the internal pressure in such equipment reaches 19.7 psia (136 kilopascals).

 # 036 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.154]

Subpart F--Recycling and Emissions Reduction

Prohibitions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

Any person operating appliances for maintenance, service, or repair, will use a certified recovery system. Any person who performs maintenance or who services or repairs appliances and who dispose of appliances, except for small appliances, room air conditioners, and motor vehicle air conditioners, will be certified by an approved technician certified program.

Note: Appliance means any device which contains and uses a class I substance or class II substances as a refrigerant and which is used for household or commercial purposes, including air conditioners, refrigerators, chillers, or freezers. Small appliance means any of the following products that are fully manufactured, charged, and hermetically sealed in a factory with five (5) pounds of less of refrigerant: refrigerators and freezers designed for home use, room air conditioners (including window units and packaged terminal air conditioners), packaged terminal heat pumps, dehumidifiers, under-the-counter ice makers, vending machines, and drinking water coolers.

VII. ADDITIONAL REQUIREMENTS.

 # 037 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following six (6) areas have carbon canisters: East Process Sump, West Process Sump, 15 Plant Separator, 12-3 Separator, Crude Tank Drainage Area, and Slop Off-Loading Area.

(a) Limitation on use of single carbon canister systems:
(1) New unit or installation. Except as expressly provided in (a)(3) and (4), below, the permittee shall not use a single carbon canister system for any new unit or installation that requires control;
(2) Existing units or installation. Except as expressly provided in (a)(3) and (4), below, the permittee shall not use a single carbon canister system for any existing unit or installation that requires control;
(3) Temporary applications. The permittee may operate a properly sized single canister system to control benzene emissions from a short-term operation, such as a temporary storage tank. For any single canister system, benzene "breakthrough" shall be defined for the purposes of this condition as any benzene reading above background as measured at the outlet of the canister. The permittee shall monitor for breakthrough from a single carbon canister system at least once every 24 hours. The permittee shall replace any single carbon canister with a fresh carbon canister immediately after a benzene reading above background is detected at the outlet of the canister, unless the permittee chooses to discontinue flow to the carbon canister or route the stream to an alternative control device. For the purpose of this condition, "immediately" shall mean within twenty-four (24) hours;
(4) Permanent Applications. The permittee may continue to operate a properly sized single canister system on those applications that existed prior to March 23, 2006 where data over the past five (5) years demonstrate that breakthrough has not occurred in less than six (6) months. The permittee shall monitor for "breakthrough" by monitoring for benzene on a bi-weekly basis at the outlet of the canister. "Breakthrough" shall be defined for the purpose of this condition as any reading equal to or greater than one (1) ppm benzene. The permittee shall replace any single carbon canister with a fresh carbon canister immediately after breakthrough is detected. For the purpose of this condition, "immediately" shall mean within twenty-four (24) hours.

(b) Installation and Use of Dual Canisters Operated in Series. Except as provided in (a)(3) and (4), above, the permittee shall add a secondary carbon canister to each single carbon canister system on an existing unit or installation to convert the single canister system to a dual carbon canister system with the dual canisters operated in series, and shall at each location utilize the dual canister system to control benzene emissions.
(c) Breakthrough Monitoring with Dual Canisters. By no later seven (7) days after the installation of each secondary carbon canister, the permittee shall start to monitor for breakthrough between the primary and secondary carbon canisters at times

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when there is actual flow to the carbon canister. Monitoring shall be performed on a daily basis or at intervals no greater than 20% of the design carbon replacement interval, whichever is greater. The permittee shall monitor for "breakthrough" by monitoring for benzene. For a dual carbon canister system, "breakthrough" shall be defined for the purpose of this condition as any reading equal to or greater than five (5) ppm benzene measured between the primary and secondary canister. In lieu of replacing the primary canister immediately, the permittee may elect to monitor the secondary canister the day breakthrough between the primary and secondary canister is identified and each calendar day thereafter. This daily monitoring shall continue until the primary canister is replaced. If either benzene or VOC is detected at the outlet of the secondary canister during this period of daily monitoring, the primary canister must be replaced within 24 hours. The original secondary carbon canister will become the new primary carbon canister and a fresh carbon canister will become the secondary canister.
(d) Canister Replacement With Dual Canister System. Except as otherwise provided in (c) above, immediately (within 24 hours) when breakthrough is detected, the permittee shall replace the original primary carbon canister with the secondary canister, and shall use a fresh canister as the new secondary canister.
(e) The permittee shall maintain a supply of fresh carbon canisters at all times.
(f) If a carbon canister that is not regenerated directly on-site is used the permittee shall maintain records of the dates and times when the control device is monitored, when breakthrough is measured, and the date and time when the existing carbon is replaced with fresh carbon.

 # 038 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code §127.441(c) & Chapter 139; §§ 114(a)(3), 504(b) of the CAA Sampling, Testing and Monitoring Procedures]

The permittee shall perform the emissions monitoring analysis procedures or test methods required under an applicable requirement including procedures and methods under Sections 114(a)(3) (42 U.S.C.A.§§ 7414 (a)(3)) or 504(b) (42 U.S.C.A.§§ 7661c(b)) of the Clean Air Act.

Unless otherwise required by this permit, the permittee shall comply with applicable monitoring, quality assurance, recordkeeping and reporting requirements of the Air Pollution Control Act, 25 Pa. Code, Subpart C, Article III (relating to air resources), including Chapter 139 (relating to sampling and testing). The permittee shall also comply with applicable requirements related to monitoring, quality assurance, reporting and recordkeeping required by the Clean Air Act (including applicable monitoring requirements of 40 CFR 60, Subpart Db), including §§ 114(a)(3) and 504(b) and regulations adopted thereunder, unless otherwise required by this permit.

 # 039 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following Emission Reduction Credits (ERCs) to be used for future offsetting, or for sale, have been generated following the permanent shutdown on December 31, 2011, of the 10 Plant Flare and the 12 Plant Flare:

(a) NOx - 38.00 tons;
(b) SO2 - 2.54 tons;
(c) VOC - 78.88 tons;
(d) CO - 199.78 tons;
(e) PM - 64.32 tons; and
(f) PM2.5 - 64.32 tons.

In accordance with 25 Pa. code § 127.207(f), these ERCs will expire on December 30, 2021.

 # 040 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This Title V Operating Permit will, at a future date, incorporate the following existing plan approvals through a significant modification(s): 23-0119, 23-0119A, 23-0119B, 23-0119C, and 23-0119D in accordance with 25 Pa. Code § 127.541 and 40 CFR § 70.7.

 # 041 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]

Subpart A--General Provisions

Compliance with standards and maintenance requirements.

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[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall develop and implement a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard. As required under 40 CFR § 63.8(c)(1)(i), the plan shall identify all routine or otherwise predictable CMS malfunctions. This plan shall be developed by the permittee by the source's compliance date for that relevant standard. The plan shall be incorporated by reference into the source's Title V permit.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to Title V General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

***** Permit Shield In Effect *****

SECTION D. Source Level Requirements

Source ID: 031 Source Name: AUXILIARY BOILER 1

Source Capacity/Throughput:	392.500	MCF/HR	Natural Gas
	427.500	MCF/HR	PROCESS GAS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the emissions limits below for CO and sulfuric acid mist are a result of a BACT determination.

Air contaminant emissions shall not exceed the following:

(a) NOx - 0.05 lbs/MMBtu (based on a 30-day rolling average) and 118.54 tons in any 12 consecutive month period;
(b) VOC (calculated as methane) - 0.004 lbs/MMBtu and 7.32 tons in any 12 consecutive month period;
(c) CO - 0.06 lbs/MMBtu (based on a 30-day rolling average) and 113.67 tons in any 12 consecutive month period;
(d) PM - 0.01 lbs/MMBtu and 26.37 tons in any 12 consecutive month period;
(e) SO2 - 0.008 lbs/MMBtu and 41.7 tons in any 12 consecutive month period; and
(f) Sulfuric Acid Mist - 0.0006 lbs/MMBtu and 4.2 tons in any 12 consecutive month period.

[The above short-term emission limits apply individually to each auxiliary boiler and shall be calculated as one-hour averages (except for NOx and CO), while the long-term emission limits apply as an aggregate of all four (4) auxiliary boilers, calculated as 12 consecutive month totals.]

Fuel Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for sulfuric acid mist.

The permittee shall only combust natural gas or a combination of natural gas and process gas produced at this facility in this boiler. At no time shall the process gas have a sulfur content greater than 2.5 grains per 100 dry standard cubic feet based on a 24-hour average.

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for PM10 emissions.

Stack tests shall be performed every five years for the following:

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(a) volatile organic compounds; and
(b) particulate matter (total particulate and PM10).

The above testing shall be conducted in accordance with 40 CFR § 60.8,40 CFR Part 60, Subpart Db, and Chapter 139 of the Rules and Regulations of the Department.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) Within thirty (30) days of permit issuance and using a Department approved method, the permittee shall sample sulfur concentrations in the process gas upstream of the boilers for a period of fourteen (14) consecutive days, ensuring that the data is representative of typical operating conditions affecting sulfur content in the fuel gas stream going to the auxiliary boiler.

(b) The permittee may rely on the average of the above test data to demonstrate compliance with the process gas sulfur concentration limitation. Additional fourteen (14) consecutive day testing will not be required unless the process gas fuel stream changes in a way that potentially may affect the sulfur concentration to the atmosphere.

(c) Any subsequent testing required by (b), above, shall begin to be conducted beginning within 48 hours of adding a new process gas stream.

 # 005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) At least sixty (60) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
(b) All stack testing shall be conducted in accordance with the provisions of EPA methods or other Department approved methodology and 25 Pa. Code Chapter 139.
(c) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
(d) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
(e) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
When must I conduct subsequent performance tests or fuel analyses?

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.]

The permittee shall conduct a performance test annually (to be completed no more than thirteen (13) months from the previous performance test) as required by 40 CFR § 63.7515 for filterable PM.

The initial performance test shall be performed no later than January 31, 2016.

If your performance tests for a given pollutant for at least 2 consecutive years show that your emissions are at or below 75 percent of the emission limit for the pollutant, and if there are no changes in the operation of the individual boiler that could increase emissions, the permittee may choose to conduct performance tests for the pollutant every third year. Each such performance test must be conducted no more than 37 months after the previous performance test.

If a performance test shows emissions exceeded the emission limit or 75 percent of the emission limit for a pollutant, the permittee must conduct annual performance tests for that pollutant until all performance tests over a consecutive 2-year period meet the required level (at or below 75 percent of the emission limit).

Results of the performance test shall be submitted to the Department within sixty (60) days after completion of the test.

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III. MONITORING REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for CO emissions.

The permittee shall operate, and maintain Department certified continuous emission monitors (CEMs) for nitrogen oxides, oxygen, and carbon monoxide on this auxiliary boiler.

Additionally, the permittee shall also follow the requirements found in Section C, pertaining to CEMs.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

 # 008 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The continuous monitoring system for NOx, CO, and oxygen shall be maintained and operated to achieve the following data availability requirements:

(a) greater than or equal to 90% valid hours per calendar month; or
(b) greater than or equal to 95% valid hours per calendar quarter.

where a valid hour is defined as greater than or equal to 75% valid readings (45 minutes per hour).

 # 009 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Continuous monitoring downstream of the air pollution control equipment shall be conducted for NOx, CO, and oxygen.

 # 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The heating value of the process gas shall be monitored as required in the sulfur concentration testing requirement above.

IV. RECORDKEEPING REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall maintain records of the following:

(a) all air pollution control system performance evaluations and records of calibration checks, adjustments, and maintenance performed on all equipment which is subject to this operating permit;
(b) manufacturer's specifications for the four auxiliary boilers;
(c) record of all the stack tests;
(d) current sulfur and heating value process gas test results used to demonstrate compliance with the sulfur concentration limitation;
(e) the emissions from the four auxiliary boilers in order to demonstrate compliance with its limits; and
(f) each start-up and shutdown of this auxiliary boiler. The information recorded shall include date, beginning time of start-up or shutdown, and the ending time of the start-up or shutdown.

 # 012 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for sulfuric acid mist.

The permittee shall retain records of the testing of the fuel gas for sulfur concentration for a period of five (5) years.

SECTION D. Source Level Requirements

 # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441 and 40 CFR § 60.49b(g).]

The permittee shall maintain the following records each operating day:
(a) calendar date;
(b) average hourly NOx emission rate (measured or predicted);
(c) the 30-day NOx emission rate calculated at the end of each operating day from the measured or predicted hourly NOx emission rate;
(d) identification of operating days when the NOx 30-day average emission rate exceeds the permitted rate of 0.05 lbs/MMBtu;
(e) identification of all operating days when pollutant data is not obtained, along with the reason and description of corrective action taken;
(f) identification of the times when emission data has been excluded and the reason;
(g) identification of the "F" factor used in the calculation the method of determination, and the type of fuel combusted;
(h) identification of the times when the pollutant concentration exceeded the full span of the CEM system;
(i) description of any modification to the CEM system that could affect its ability to comply with Performance Specification 2 or 3; and
(j) results of the daily drift tests and quarterly accuracy assessments as required under 40 CFR § 60, Appendix F, Procedure 1.

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

For each boiler, you must also keep the following records:

(a) monthly records of fuel use and type for each boiler;
(b) if, consistent with 40 CFR § 63.7515(b), you choose to stack test less frequently than annually, you must keep a record that documents that your emissions in the previous stack test(s) were less than seventy-five (75) percent of the applicable emission limit, and document that there was no change in source operations including fuel composition that would cause emissions of the relevant pollutant to increase within the past year;
(c) records of the occurrence and duration of each malfunction of the boiler;
(d) records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR § 63.7500(a)(3), including corrective actions to restore the malfunctioning boiler to its normal or usual manner of operation;
(e) records of the calendar date, time, occurrence and duration of each startup and shutdown; and
(f) records of the type(s) and amount(s) of fuels used during each startup and shutdownf

V. REPORTING REQUIREMENTS.

 # 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441 and 40 CFR § 60.49b(h).]

The permittee shall submit excess emission reports for any calendar quarter that has excess emissions from this source, where an excess emission is any calculated 30-day rolling average nitrogen rate. If there are no excess emissions during the quarter, the permittee shall submit a report semiannually stating that no excess emissions occurred during the semiannual reporting period.

SECTION D. Source Level Requirements

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What reports must I submit and when?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall submit compliance reports according to the following schedule:

Initial report covering the period between January 31, 2016 and June 30, 2016.

Subsequent reports shall cover the periods from July 1 through December 30 and from January 1 through June 30.

All reports shall be post marked (or electronically delivered) to the Department and the EPA no later than July 31 (for the period ending June 30) and January 31 (for the period ending December 31).

The compliance report shall contain the following information:
(a) If the facility is subject to the requirements of a tune up they must submit a compliance report with the following information:
(1) company and Facility name and address;
(2) process unit information, emissions limitations, and operating parameter limitations;
(3) date of report and beginning and ending dates of the reporting period;
(4) the total operating time during the reporting period; and
(5) include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to 40 CFR § 63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.
(b) If a facility is complying with the applicable emissions limit with performance testing they must submit a compliance report with the following information:
(1) company and facility name and address;
(2) process unit information, emissions limitations, and operating parameter limitations;
(3) date of report and beginning and ending dates of the reporting period;
(4) the total operating time during the reporting period;
(5) the total fuel use by each individual boiler or process heater subject to an emission limit within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by the EPA or your basis for concluding that the fuel is not a waste, and the total fuel usage amount with units of measure;
(6) if you are conducting performance tests once every three (3) years consistent with 40 CFR § 63.7515(b) or (c), the date of the last two (2) performance tests and a statement as to whether there have been any operational changes since the last performance test that could increase emissions;
(7) if there are no deviations from any emission limits or operating limits, a statement that there were no deviations from the emission limits or operating limits during the reporting period;
(8) if a malfunction occurred during the reporting period, the report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken during a malfunction of the boiler to minimize emissions in accordance with 40 CFR § 63.7500(a)(3), including actions taken to correct the malfunction;
(9) if compliance is demonstrate by emission averaging, the permittee shall certify the emission level achieved or the control technology employed is no less stringent than the level or control technology contained in the notification of compliance status in 40 CFR § 63.7545(e)(5)(i); and
(10) for each deviation from an emission limit or operating limit in this subpart that occurs at an individual boiler where you are not using a CMS to comply with that emission limit or operating limit, the compliance report must additionally contain the information required in (i) through (iii), below.
(i) a description of the deviation and which emission limit or operating limit from which you deviated;
(ii) information on the number, duration, and cause of deviations (including unknown cause), as applicable, and the corrective action taken; and
(iii) if the deviation occurred during an annual performance test, provide the date the annual performance test was

SECTION D. Source Level Requirements

completed.

 # 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.441.]

The permittee shall retain the following records:

(a) a copy of each notification and report submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report submitted, according to the requirements in 40 CFR § 63.10(b)(2)(xiv); and
(b) records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR § 63.10(b)(2)(viii).

VI. WORK PRACTICE REQUIREMENTS.

 # 018 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The emissions of nitrogen oxides from this boiler shall be controlled by the use of low NOx burners and flue gas recirculation.

 # 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
When do I have to comply with this subpart?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall comply with 40 CFR 63, Subpart DDDDD, no later than January 31, 2016.

 # 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What emission limits, work practice standards, and operating limits must I meet?

[Additional authority for this permit conditions is also derived from 40 CFR 63, Subpart DDDDD, Table 3 and 25 Pa. Code § 127.441.]

The permittee must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes this boiler also satisfies the energy assessment requirement.

The energy assessment must include the following with extent of the evaluation for items (a) through (e) appropriate for the on-site technical hours listed in 40 CFR § 63.7575:

(a) a visual inspection of the boiler system;
(b) an evaluation of operating characteristics of the boiler systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints;
(c) an inventory of major energy use systems consuming energy from this boilers and which are under the control of the permittee;
(d) a review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage;
(e) a review of the facility's energy management practices and provide recommendations for improvements consistent with

SECTION D. Source Level Requirements

the definition of energy management practices, if identified;
(f) a list of cost-effective energy conservation measures that are within the facility's control;
(g) a list of the energy savings potential of the energy conservation measures identified; and
(h) a comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

 # 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7525]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What are my monitoring, installation, operation, and maintenance requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall install, operate, calibrate, and maintain an oxygen analyzer system in accordance with the manufacturer's specifications.

The boiler an all associated air pollution control system and monitoring equipment shall be operated and maintained in accordance with safety and good air pollution control practices and according to manufacturer's recommendations.

 # 022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
How do I demonstrate initial compliance with the emission limits and work practice standards?

[Additional authority for this permit condition is derived from 40 CFR 63, Subpart DDDDD, Table 4, and 25 Pa. Code § 127.441.]

The permittee shall maintain the operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance test.

The permittee shall maintain the 30-day rolling average oxygen content at or above the lowest hourly average oxygen concentration measured during the most recent CO performance test.

 # 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
How do I demonstrate continuous compliance with the emission limits and work practice standards?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall conduct an annual tune-up on this boiler.

VII. ADDITIONAL REQUIREMENTS.

 # 024 [25 Pa. Code §121.1 M - Z]
Definitions.

The NOx Allowance Control Period is defined as the period beginning May 1st of each year and ending on September 30th of the same year, inclusive.

 # 025 [25 Pa. Code §127.441]
Operating permit terms and conditions.

This auxiliary boiler has a rated heat input capacity of 392.5 MMBtu/hr, based on the higher heating value of the fuel.

 # 026 [25 Pa. Code §127.503]
Application information.

This boiler is owned by Sunoco Partners Marketing & Terminals, L.P. and operated by FPL Energy Marcus Hook, L.P.

SECTION D. Source Level Requirements

 # 027 [25 Pa. Code §145.8.]

Transition to CAIR NOx Trading Programs.

Transition to CAIR NOx trading programs.

(a) Allowances. Allocations in 2009 will be made in accordance with the Federal CAIR Ozone Season Trading Program, 40 CFR Part 97 (relating to Federal NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs). CAIR NOx Ozone Season allowance allocations for the control period starting May 1, 2010, and for each control period thereafter, will be distributed in accordance with 25 Pa. Code, Chapter 145, Subchapter D.

(b) Termination and retirement of allowances. NOx allowances already allocated for 2009 or later are terminated and may not be used for compliance with the CAIR NOx Annual Trading Program or the CAIR NOx Ozone Season Trading Program, as those terms are defined in 40 CFR §§ 96.102 and 96.302.

(c) Requirements replaced. The emission limitations and monitoring requirements established in 25 Pa. Code, Chapter 145, Subchapter A, are replaced by the requirements in 25 Pa. Code, Chapter 145, Subchapter D, beginning with the May 1, 2010, control period. If the permittee has failed to demonstrate compliance with 25 Pa. Code § 145.54, the provisions in 40 CFR § 96.354 shall be used to withhold CAIR NOx Ozone Season allowances, as that term is defined in 40 CFR § 96.302, in calendar year 2010 and beyond. If no CAIR NOx Ozone Season allowances are provided to the source under 25 Pa. Code § 145.221, the permittee shall acquire and retire a number of CAIR NOx Ozone Season allowances as specified in 40 CFR § 96.354.

(d) Non-EGU NOx Trading Program Budget:

(1) Statewide limitation. The sum of NOx ozone season emissions from all non-EGUs subject to this sub condition may not exceed the Commonwealth's non-EGU NOx Trading Program budget of 3,619 tons during any ozone season.

(2) CAIR NOx Ozone Season allowances. The permittee shall monitor and report NOx emissions in accordance with 40 CFR Part 96, Subpart HHHH, and establish a CAIR-authorized account representative and general account, in accordance with 40 CFR Part 96, Subparts BBBB and FFFF, incorporated into 25 Pa. Code, Chapter 145, Subchapter D by reference, for the purposes of ensuring continued compliance with the non-EGU NOx Trading Program budget limitation of (d)(1), above, and of retiring CAIR NOx Ozone Season allowances.

(3) CAIR NOx allowances. The permittee shall establish a CAIR-authorized account representative and general account in accordance with 40 CFR Part 96, Subparts BB and FF, incorporated into 25 Pa. Code, Chapter 145, Subchapter D, by reference, for the purpose of retiring CAIR NOx allowances.

(4) Emissions below Statewide limitation. If the total ozone season emissions from all non-EGUs are less than 3,438 tons of NOx, the Department's permanent retirement of allowances covers all applicable emissions and no additional account transactions are required by the sources.

(5) Allowable emissions per unit. By January 31, 2009, and by January 31 of each year thereafter, the Department will determine the allowable amount of NOx emissions for the next ozone season for each unit subject to this subsection, as follows:

Allowable emission rate X each unit's heat input

Where "Allowable emission rate" is equal to

$$\frac{\text{3,438 tons of NOx}}{\text{Combined heat input of all units during the most recent ozone season}}$$

(6) Allowance surrender for excess emissions. If the combined NOx emissions from all affected non-EGUs in the commonwealth exceed 3,438 tons in an ozone season, then a source whose actual emissions exceeds its allowable emissions for that ozone season, as determined under (d)(5), above, shall surrender to the Department by April 30 of the year following the ozone season one CAIR NOx Ozone Season allowance and one CAIR NOx allowance for each ton of excess emissions. A source whose excess emissions are 0.5 ton or greater of the next excess ton shall surrender 1 full ton of CAIR NOx allowances (banked or current) for that excess emission. Sources under common ownership may include the allowable and actual emissions from multiple sources to determine whether a unit must surrender allowances.

(7) Surrender procedure. To surrender allowances under (d)(6), above, the permittee shall surrender the required CAIR NOx Ozone Season allowances and CAIR NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following:

(i) the serial number of each allowance surrendered; and

SECTION D. Source Level Requirements

(ii) the calculations used to determine the quantity of allowances required to be surrendered.

(8) Failure to surrender allowances. If the permittee fails to comply with (d)(7), above, the permittee shall by June 30 surrender three CAIR NOx Ozone Season allowances and three CAIR NOx allowances of the current or later year vintage for each ton of excess emissions as calculated under (d)(6), above.

(9) Liability not affected. The surrender of CAIR NOx ozone season allowances and CAIR NOx allowances under (d)(6), above, does not affect the liability of the permittee for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

(i) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates that a lesser number of days should be considered.

(ii) Each ton of excess emissions is a separate violation.

(10) Actual emissions below allowable emissions. If a source's allowable emissions exceed their actual emissions for an ozone season, the permittee may deduct the difference or any portion of the difference from the actual emissions of source's under the permittee's common control that are subject to 25 Pa. Code §§ 129.201.

(11) Corrections. One hundred and eighty-one tons of allowable NOx emissions are available to the Department annually for accounting corrections.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 032 Source Name: AUXILIARY BOILER 2

Source Capacity/Throughput:	392.500	MCF/HR	Natural Gas
	427.500	MCF/HR	PROCESS GAS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the emissions limits below for CO and sulfuric acid mist are a result of a BACT determination.

Air contaminant emissions shall not exceed the following:

(a) NOx - 0.05 lbs/MMBtu (based on a 30-day rolling average) and 118.54 tons in any 12 consecutive month period;
(b) VOC (calculated as methane) - 0.004 lbs/MMBtu and 7.32 tons in any 12 consecutive month period;
(c) CO - 0.06 lbs/MMBtu (based on a 30-day rolling average) and 113.67 tons in any 12 consecutive month period;
(d) PM - 0.01 lbs/MMBtu and 26.37 tons in any 12 consecutive month period;
(e) SO2 - 0.008 lbs/MMBtu and 41.7 tons in any 12 consecutive month period; and
(f) Sulfuric Acid Mist - 0.0006 lbs/MMBtu and 4.2 tons in any 12 consecutive month period.

[The above short-term emission limits apply individually to each auxiliary boiler and shall be calculated as one-hour averages (except for NOx and CO), while the long-term emission limits apply as an aggregate of all four (4) auxiliary boilers, calculated as 12 consecutive month totals.]

Fuel Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for sulfuric acid mist.

The permittee shall only combust natural gas or a combination of natural gas and process gas produced at this facility in this boiler. At no time shall the process gas have a sulfur content greater than 2.5 grains per 100 dry standard cubic feet based on a 24-hour average.

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for PM10 emissions.

Stack tests shall be performed every five years for the following:

SECTION D. Source Level Requirements

(a) volatile organic compounds; and
(b) particulate matter (total particulate and PM10).

The above testing shall be conducted in accordance with 40 CFR § 60.8,40 CFR Part 60, Subpart Db, and Chapter 139 of the Rules and Regulations of the Department.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) Within thirty (30) days of permit issuance and using a Department approved method, the permittee shall sample sulfur concentrations in the process gas upstream of the boilers for a period of fourteen (14) consecutive days, ensuring that the data is representative of typical operating conditions affecting sulfur content in the fuel gas stream going to the auxiliary boiler.

(b) The permittee may rely on the average of the above test data to demonstrate compliance with the process gas sulfur concentration limitation. Additional fourteen (14) consecutive day testing will not be required unless the process gas fuel stream changes in a way that potentially may affect the sulfur concentration to the atmosphere.

(c) Any subsequent testing required by (b), above, shall begin to be conducted beginning within 48 hours of adding a new process gas stream.

 # 005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) At least sixty (60) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
(b) All stack testing shall be conducted in accordance with the provisions of EPA methods or other Department approved methodology and 25 Pa. Code Chapter 139.
(c) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
(d) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
(e) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
When must I conduct subsequent performance tests or fuel analyses?

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.]

The permittee shall conduct a performance test annually (to be completed no more than thirteen (13) months from the previous performance test) as required by 40 CFR § 63.7515 for filterable PM.

The initial performance test shall be performed no later than January 31, 2016.

If your performance tests for a given pollutant for at least 2 consecutive years show that your emissions are at or below 75 percent of the emission limit for the pollutant, and if there are no changes in the operation of the individual boiler that could increase emissions, the permittee may choose to conduct performance tests for the pollutant every third year. Each such performance test must be conducted no more than 37 months after the previous performance test.

If a performance test shows emissions exceeded the emission limit or 75 percent of the emission limit for a pollutant, the permittee must conduct annual performance tests for that pollutant until all performance tests over a consecutive 2-year period meet the required level (at or below 75 percent of the emission limit).

Results of the performance test shall be submitted to the Department within sixty (60) days after completion of the test.

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III. MONITORING REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for CO emissions.

The permittee shall operate, and maintain Department certified continuous emission monitors (CEMs) for nitrogen oxides, oxygen, and carbon monoxide on this auxiliary boiler.

Additionally, the permittee shall also follow the requirements found in Section C, pertaining to CEMs.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

 # 008 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The continuous monitoring system for NOx, CO, and oxygen shall be maintained and operated to achieve the following data availability requirements:

(a) greater than or equal to 90% valid hours per calendar month; or
(b) greater than or equal to 95% valid hours per calendar quarter.

where a valid hour is defined as greater than or equal to 75% valid readings (45 minutes per hour).

 # 009 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Continuous monitoring downstream of the air pollution control equipment shall be conducted for NOx, CO, and oxygen.

 # 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The heating value of the process gas shall be monitored as required in the sulfur concentration testing requirement above.

IV. RECORDKEEPING REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall maintain records of the following:

(a) all air pollution control system performance evaluations and records of calibration checks, adjustments, and maintenance performed on all equipment which is subject to this operating permit;
(b) manufacturer's specifications for the four auxiliary boilers;
(c) record of all the stack tests;
(d) current sulfur and heating value process gas test results used to demonstrate compliance with the sulfur concentration limitation;
(e) the emissions from the four auxiliary boilers in order to demonstrate compliance with its limits; and
(f) each start-up and shutdown of this auxiliary boiler. The information recorded shall include date, beginning time of start-up or shutdown, and the ending time of the start-up or shutdown.

 # 012 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for sulfuric acid mist.

The permittee shall retain records of the testing of the fuel gas for sulfur concentration for a period of five (5) years.

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 # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441 and 40 CFR § 60.49b(g).]

The permittee shall maintain the following records each operating day:
(a) calendar date;
(b) average hourly NOx emission rate (measured or predicted);
(c) the 30-day NOx emission rate calculated at the end of each operating day from the measured or predicted hourly NOx emission rate;
(d) identification of operating days when the NOx 30-day average emission rate exceeds the permitted rate of 0.05 lbs/MMBtu;
(e) identification of all operating days when pollutant data is not obtained, along with the reason and description of corrective action taken;
(f) identification of the times when emission data has been excluded and the reason;
(g) identification of the "F" factor used in the calculation the method of determination, and the type of fuel combusted;
(h) identification of the times when the pollutant concentration exceeded the full span of the CEM system;
(i) description of any modification to the CEM system that could affect its ability to comply with Performance Specification 2 or 3; and
(j) results of the daily drift tests and quarterly accuracy assessments as required under 40 CFR § 60, Appendix F, Procedure 1.

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

For each boiler, you must also keep the following records:

(a) monthly records of fuel use and type for each boiler;
(b) if, consistent with 40 CFR § 63.7515(b), you choose to stack test less frequently than annually, you must keep a record that documents that your emissions in the previous stack test(s) were less than seventy-five (75) percent of the applicable emission limit, and document that there was no change in source operations including fuel composition that would cause emissions of the relevant pollutant to increase within the past year;
(c) records of the occurrence and duration of each malfunction of the boiler;
(d) records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR § 63.7500(a)(3), including corrective actions to restore the malfunctioning boiler to its normal or usual manner of operation;
(e) records of the calendar date, time, occurrence and duration of each startup and shutdown; and
(f) records of the type(s) and amount(s) of fuels used during each startup and shutdownf

V. REPORTING REQUIREMENTS.

 # 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441 and 40 CFR § 60.49b(h).]

The permittee shall submit excess emission reports for any calendar quarter that has excess emissions from this source, where an excess emission is any calculated 30-day rolling average nitrogen rate. If there are no excess emissions during the quarter, the permittee shall submit a report semiannually stating that no excess emissions occurred during the semiannual reporting period.

SECTION D. Source Level Requirements

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What reports must I submit and when?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall submit compliance reports according to the following schedule:

Initial report covering the period between January 31, 2016 and June 30, 2016.

Subsequent reports shall cover the periods from July 1 through December 30 and from January 1 through June 30.

All reports shall be post marked (or electronically delivered) to the Department and the EPA no later than July 31 (for the period ending June 30) and January 31 (for the period ending December 31).

The compliance report shall contain the following information:
(a) If the facility is subject to the requirements of a tune up they must submit a compliance report with the following information:
(1) company and Facility name and address;
(2) process unit information, emissions limitations, and operating parameter limitations;
(3) date of report and beginning and ending dates of the reporting period;
(4) the total operating time during the reporting period; and
(5) include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to 40 CFR § 63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.
(b) If a facility is complying with the applicable emissions limit with performance testing they must submit a compliance report with the following information:
(1) company and facility name and address;
(2) process unit information, emissions limitations, and operating parameter limitations;
(3) date of report and beginning and ending dates of the reporting period;
(4) the total operating time during the reporting period;
(5) the total fuel use by each individual boiler or process heater subject to an emission limit within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by the EPA or your basis for concluding that the fuel is not a waste, and the total fuel usage amount with units of measure;
(6) if you are conducting performance tests once every three (3) years consistent with 40 CFR § 63.7515(b) or (c), the date of the last two (2) performance tests and a statement as to whether there have been any operational changes since the last performance test that could increase emissions;
(7) if there are no deviations from any emission limits or operating limits, a statement that there were no deviations from the emission limits or operating limits during the reporting period;
(8) if a malfunction occurred during the reporting period, the report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken during a malfunction of the boiler to minimize emissions in accordance with 40 CFR § 63.7500(a)(3), including actions taken to correct the malfunction;
(9) if compliance is demonstrate by emission averaging, the permittee shall certify the emission level achieved or the control technology employed is no less stringent than the level or control technology contained in the notification of compliance status in 40 CFR § 63.7545(e)(5)(i); and
(10) for each deviation from an emission limit or operating limit in this subpart that occurs at an individual boiler where you are not using a CMS to comply with that emission limit or operating limit, the compliance report must additionally contain the information required in (i) through (iii), below.
(i) a description of the deviation and which emission limit or operating limit from which you deviated;
(ii) information on the number, duration, and cause of deviations (including unknown cause), as applicable, and the corrective action taken; and
(iii) if the deviation occurred during an annual performance test, provide the date the annual performance test was

SECTION D. Source Level Requirements

completed.

 # 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.441.]

The permittee shall retain the following records:

(a) a copy of each notification and report submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report submitted, according to the requirements in 40 CFR § 63.10(b)(2)(xiv); and
(b) records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR § 63.10(b)(2)(viii).

VI. WORK PRACTICE REQUIREMENTS.

 # 018 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The emissions of nitrogen oxides from this boiler shall be controlled by the use of low NOx burners and flue gas recirculation.

 # 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
When do I have to comply with this subpart?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall comply with 40 CFR 63, Subpart DDDDD, no later than January 31, 2016.

 # 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What emission limits, work practice standards, and operating limits must I meet?

[Additional authority for this permit conditions is also derived from 40 CFR 63, Subpart DDDDD, Table 3 and 25 Pa. Code § 127.441.]

The permittee must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes this boiler also satisfies the energy assessment requirement.

The energy assessment must include the following with extent of the evaluation for items (a) through (e) appropriate for the on-site technical hours listed in 40 CFR § 63.7575:

(a) a visual inspection of the boiler system;
(b) an evaluation of operating characteristics of the boiler systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints;
(c) an inventory of major energy use systems consuming energy from this boilers and which are under the control of the permittee;
(d) a review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage;
(e) a review of the facility's energy management practices and provide recommendations for improvements consistent with

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the definition of energy management practices, if identified;
(f) a list of cost-effective energy conservation measures that are within the facility's control;
(g) a list of the energy savings potential of the energy conservation measures identified; and
(h) a comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

 # 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7525]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What are my monitoring, installation, operation, and maintenance requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall install, operate, calibrate, and maintain an oxygen analyzer system in accordance with the manufacturer's specifications.

The boiler an all associated air pollution control system and monitoring equipment shall be operated and maintained in accordance with safety and good air pollution control practices and according to manufacturer's recommendations.

 # 022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
How do I demonstrate initial compliance with the emission limits and work practice standards?

[Additional authority for this permit condition is derived from 40 CFR 63, Subpart DDDDD, Table 4, and 25 Pa. Code § 127.441.]

The permittee shall maintain the operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance test.

The permittee shall maintain the 30-day rolling average oxygen content at or above the lowest hourly average oxygen concentration measured during the most recent CO performance test.

 # 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
How do I demonstrate continuous compliance with the emission limits and work practice standards?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall conduct an annual tune-up on this boiler.

VII. ADDITIONAL REQUIREMENTS.

 # 024 [25 Pa. Code §121.1 M - Z]
Definitions.

The NOx Allowance Control Period is defined as the period beginning May 1st of each year and ending on September 30th of the same year, inclusive.

 # 025 [25 Pa. Code §127.441]
Operating permit terms and conditions.

This auxiliary boiler has a rated heat input capacity of 392.5 MMBtu/hr, based on the higher heating value of the fuel.

 # 026 [25 Pa. Code §127.503]
Application information.

This boiler is owned by Sunoco Partners Marketing & Terminals, L.P. and operated by FPL Energy Marcus Hook, L.P.

SECTION D. Source Level Requirements

 # 027 [25 Pa. Code §145.8.]

Transition to CAIR NOx Trading Programs.

Transition to CAIR NOx trading programs.

(a) Allowances. Allocations in 2009 will be made in accordance with the Federal CAIR Ozone Season Trading Program, 40 CFR Part 97 (relating to Federal NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs). CAIR NOx Ozone Season allowance allocations for the control period starting May 1, 2010, and for each control period thereafter, will be distributed in accordance with 25 Pa. Code, Chapter 145, Subchapter D.

(b) Termination and retirement of allowances. NOx allowances already allocated for 2009 or later are terminated and may not be used for compliance with the CAIR NOx Annual Trading Program or the CAIR NOx Ozone Season Trading Program, as those terms are defined in 40 CFR §§ 96.102 and 96.302.

(c) Requirements replaced. The emission limitations and monitoring requirements established in 25 Pa. Code, Chapter 145, Subchapter A, are replaced by the requirements in 25 Pa. Code, Chapter 145, Subchapter D, beginning with the May 1, 2010, control period. If the permittee has failed to demonstrate compliance with 25 Pa. Code § 145.54, the provisions in 40 CFR § 96.354 shall be used to withhold CAIR NOx Ozone Season allowances, as that term is defined in 40 CFR § 96.302, in calendar year 2010 and beyond. If no CAIR NOx Ozone Season allowances are provided to the source under 25 Pa. Code § 145.221, the permittee shall acquire and retire a number of CAIR NOx Ozone Season allowances as specified in 40 CFR § 96.354.

(d) Non-EGU NOx Trading Program Budget:

(1) Statewide limitation. The sum of NOx ozone season emissions from all non-EGUs subject to this sub condition may not exceed the Commonwealth's non-EGU NOx Trading Program budget of 3,619 tons during any ozone season.

(2) CAIR NOx Ozone Season allowances. The permittee shall monitor and report NOx emissions in accordance with 40 CFR Part 96, Subpart HHHH, and establish a CAIR-authorized account representative and general account, in accordance with 40 CFR Part 96, Subparts BBBB and FFFF, incorporated into 25 Pa. Code, Chapter 145, Subchapter D by reference, for the purposes of ensuring continued compliance with the non-EGU NOx Trading Program budget limitation of (d)(1), above, and of retiring CAIR NOx Ozone Season allowances.

(3) CAIR NOx allowances. The permittee shall establish a CAIR-authorized account representative and general account in accordance with 40 CFR Part 96, Subparts BB and FF, incorporated into 25 Pa. Code, Chapter 145, Subchapter D, by reference, for the purpose of retiring CAIR NOx allowances.

(4) Emissions below Statewide limitation. If the total ozone season emissions from all non-EGUs are less than 3,438 tons of NOx, the Department's permanent retirement of allowances covers all applicable emissions and no additional account transactions are required by the sources.

(5) Allowable emissions per unit. By January 31, 2009, and by January 31 of each year thereafter, the Department will determine the allowable amount of NOx emissions for the next ozone season for each unit subject to this subsection, as follows:

Allowable emission rate X each unit's heat input

Where "Allowable emission rate" is equal to

$$\frac{\text{3,438 tons of NOx}}{\text{Combined heat input of all units during the most recent ozone season}}$$

(6) Allowance surrender for excess emissions. If the combined NOx emissions from all affected non-EGUs in the commonwealth exceed 3,438 tons in an ozone season, then a source whose actual emissions exceeds its allowable emissions for that ozone season, as determined under (d)(5), above, shall surrender to the Department by April 30 of the year following the ozone season one CAIR NOx Ozone Season allowance and one CAIR NOx allowance for each ton of excess emissions. A source whose excess emissions are 0.5 ton or greater of the next excess ton shall surrender 1 full ton of CAIR NOx allowances (banked or current) for that excess emission. Sources under common ownership may include the allowable and actual emissions from multiple sources to determine whether a unit must surrender allowances.

(7) Surrender procedure. To surrender allowances under (d)(6), above, the permittee shall surrender the required CAIR NOx Ozone Season allowances and CAIR NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following:

(i) the serial number of each allowance surrendered; and

SECTION D. Source Level Requirements

(ii) the calculations used to determine the quantity of allowances required to be surrendered.

(8) Failure to surrender allowances. If the permittee fails to comply with (d)(7), above, the permittee shall by June 30 surrender three CAIR NOx Ozone Season allowances and three CAIR NOx allowances of the current or later year vintage for each ton of excess emissions as calculated under (d)(6), above.

(9) Liability not affected. The surrender of CAIR NOx ozone season allowances and CAIR NOx allowances under (d)(6), above, does not affect the liability of the permittee for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

(i) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates that a lesser number of days should be considered.

(ii) Each ton of excess emissions is a separate violation.

(10) Actual emissions below allowable emissions. If a source's allowable emissions exceed their actual emissions for an ozone season, the permittee may deduct the difference or any portion of the difference from the actual emissions of source's under the permittee's common control that are subject to 25 Pa. Code §§ 129.201.

(11) Corrections. One hundred and eighty-one tons of allowable NOx emissions are available to the Department annually for accounting corrections.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 033 Source Name: AUXILIARY BOILER 3

Source Capacity/Throughput:	392.500	MCF/HR	Natural Gas
	427.500	MCF/HR	PROCESS GAS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the emissions limits below for CO and sulfuric acid mist are a result of a BACT determination.

Air contaminant emissions shall not exceed the following:

(a) NOx - 0.05 lbs/MMBtu (based on a 30-day rolling average) and 118.54 tons in any 12 consecutive month period;
(b) VOC (calculated as methane) - 0.004 lbs/MMBtu and 7.32 tons in any 12 consecutive month period;
(c) CO - 0.06 lbs/MMBtu (based on a 30-day rolling average) and 113.67 tons in any 12 consecutive month period;
(d) PM - 0.01 lbs/MMBtu and 26.37 tons in any 12 consecutive month period;
(e) SO2 - 0.008 lbs/MMBtu and 41.7 tons in any 12 consecutive month period; and
(f) Sulfuric Acid Mist - 0.0006 lbs/MMBtu and 4.2 tons in any 12 consecutive month period.

[The above short-term emission limits apply individually to each auxiliary boiler and shall be calculated as one-hour averages (except for NOx and CO), while the long-term emission limits apply as an aggregate of all four (4) auxiliary boilers, calculated as 12 consecutive month totals.]

Fuel Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for sulfuric acid mist.

The permittee shall only combust natural gas or a combination of natural gas and process gas produced at this facility in this boiler. At no time shall the process gas have a sulfur content greater than 2.5 grains per 100 dry standard cubic feet based on a 24-hour average.

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for PM10 emissions.

Stack tests shall be performed every five years for the following:

SECTION D. Source Level Requirements

(a) volatile organic compounds; and
(b) particulate matter (total particulate and PM10).

The above testing shall be conducted in accordance with 40 CFR § 60.8,40 CFR Part 60, Subpart Db, and Chapter 139 of the Rules and Regulations of the Department.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) Within thirty (30) days of permit issuance and using a Department approved method, the permittee shall sample sulfur concentrations in the process gas upstream of the boilers for a period of fourteen (14) consecutive days, ensuring that the data is representative of typical operating conditions affecting sulfur content in the fuel gas stream going to the auxiliary boiler.

(b) The permittee may rely on the average of the above test data to demonstrate compliance with the process gas sulfur concentration limitation. Additional fourteen (14) consecutive day testing will not be required unless the process gas fuel stream changes in a way that potentially may affect the sulfur concentration to the atmosphere.

(c) Any subsequent testing required by (b), above, shall begin to be conducted beginning within 48 hours of adding a new process gas stream.

 # 005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) At least sixty (60) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
(b) All stack testing shall be conducted in accordance with the provisions of EPA methods or other Department approved methodology and 25 Pa. Code Chapter 139.
(c) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
(d) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
(e) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
When must I conduct subsequent performance tests or fuel analyses?

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.]

The permittee shall conduct a performance test annually (to be completed no more than thirteen (13) months from the previous performance test) as required by 40 CFR § 63.7515 for filterable PM.

The initial performance test shall be performed no later than January 31, 2016.

If your performance tests for a given pollutant for at least 2 consecutive years show that your emissions are at or below 75 percent of the emission limit for the pollutant, and if there are no changes in the operation of the individual boiler that could increase emissions, the permittee may choose to conduct performance tests for the pollutant every third year. Each such performance test must be conducted no more than 37 months after the previous performance test.

If a performance test shows emissions exceeded the emission limit or 75 percent of the emission limit for a pollutant, the permittee must conduct annual performance tests for that pollutant until all performance tests over a consecutive 2-year period meet the required level (at or below 75 percent of the emission limit).

Results of the performance test shall be submitted to the Department within sixty (60) days after completion of the test.

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III. MONITORING REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for CO emissions.

The permittee shall operate, and maintain Department certified continuous emission monitors (CEMs) for nitrogen oxides, oxygen, and carbon monoxide on this auxiliary boiler.

Additionally, the permittee shall also follow the requirements found in Section C, pertaining to CEMs.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

 # 008 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The continuous monitoring system for NOx, CO, and oxygen shall be maintained and operated to achieve the following data availability requirements:

(a) greater than or equal to 90% valid hours per calendar month; or
(b) greater than or equal to 95% valid hours per calendar quarter.

where a valid hour is defined as greater than or equal to 75% valid readings (45 minutes per hour).

 # 009 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Continuous monitoring downstream of the air pollution control equipment shall be conducted for NOx, CO, and oxygen.

 # 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The heating value of the process gas shall be monitored as required in the sulfur concentration testing requirement above.

IV. RECORDKEEPING REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall maintain records of the following:

(a) all air pollution control system performance evaluations and records of calibration checks, adjustments, and maintenance performed on all equipment which is subject to this operating permit;
(b) manufacturer's specifications for the four auxiliary boilers;
(c) record of all the stack tests;
(d) current sulfur and heating value process gas test results used to demonstrate compliance with the sulfur concentration limitation;
(e) the emissions from the four auxiliary boilers in order to demonstrate compliance with its limits; and
(f) each start-up and shutdown of this auxiliary boiler. The information recorded shall include date, beginning time of start-up or shutdown, and the ending time of the start-up or shutdown.

 # 012 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for sulfuric acid mist.

The permittee shall retain records of the testing of the fuel gas for sulfur concentration for a period of five (5) years.

SECTION D. Source Level Requirements

 # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441 and 40 CFR § 60.49b(g).]

The permittee shall maintain the following records each operating day:
(a) calendar date;
(b) average hourly NOx emission rate (measured or predicted);
(c) the 30-day NOx emission rate calculated at the end of each operating day from the measured or predicted hourly NOx emission rate;
(d) identification of operating days when the NOx 30-day average emission rate exceeds the permitted rate of 0.05 lbs/MMBtu;
(e) identification of all operating days when pollutant data is not obtained, along with the reason and description of corrective action taken;
(f) identification of the times when emission data has been excluded and the reason;
(g) identification of the "F" factor used in the calculation the method of determination, and the type of fuel combusted;
(h) identification of the times when the pollutant concentration exceeded the full span of the CEM system;
(i) description of any modification to the CEM system that could affect its ability to comply with Performance Specification 2 or 3; and
(j) results of the daily drift tests and quarterly accuracy assessments as required under 40 CFR § 60, Appendix F, Procedure 1.

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

For each boiler, you must also keep the following records:

(a) monthly records of fuel use and type for each boiler;
(b) if, consistent with 40 CFR § 63.7515(b), you choose to stack test less frequently than annually, you must keep a record that documents that your emissions in the previous stack test(s) were less than seventy-five (75) percent of the applicable emission limit, and document that there was no change in source operations including fuel composition that would cause emissions of the relevant pollutant to increase within the past year;
(c) records of the occurrence and duration of each malfunction of the boiler;
(d) records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR § 63.7500(a)(3), including corrective actions to restore the malfunctioning boiler to its normal or usual manner of operation;
(e) records of the calendar date, time, occurrence and duration of each startup and shutdown; and
(f) records of the type(s) and amount(s) of fuels used during each startup and shutdownf

V. REPORTING REQUIREMENTS.

 # 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441 and 40 CFR § 60.49b(h).]

The permittee shall submit excess emission reports for any calendar quarter that has excess emissions from this source, where an excess emission is any calculated 30-day rolling average nitrogen rate. If there are no excess emissions during the quarter, the permittee shall submit a report semiannually stating that no excess emissions occurred during the semiannual reporting period.

SECTION D. Source Level Requirements

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What reports must I submit and when?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall submit compliance reports according to the following schedule:

Initial report covering the period between January 31, 2016 and June 30, 2016.

Subsequent reports shall cover the periods from July 1 through December 30 and from January 1 through June 30.

All reports shall be post marked (or electronically delivered) to the Department and the EPA no later than July 31 (for the period ending June 30) and January 31 (for the period ending December 31).

The compliance report shall contain the following information:
(a) If the facility is subject to the requirements of a tune up they must submit a compliance report with the following information:
(1) company and Facility name and address;
(2) process unit information, emissions limitations, and operating parameter limitations;
(3) date of report and beginning and ending dates of the reporting period;
(4) the total operating time during the reporting period; and
(5) include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to 40 CFR § 63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.
(b) If a facility is complying with the applicable emissions limit with performance testing they must submit a compliance report with the following information:
(1) company and facility name and address;
(2) process unit information, emissions limitations, and operating parameter limitations;
(3) date of report and beginning and ending dates of the reporting period;
(4) the total operating time during the reporting period;
(5) the total fuel use by each individual boiler or process heater subject to an emission limit within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by the EPA or your basis for concluding that the fuel is not a waste, and the total fuel usage amount with units of measure;
(6) if you are conducting performance tests once every three (3) years consistent with 40 CFR § 63.7515(b) or (c), the date of the last two (2) performance tests and a statement as to whether there have been any operational changes since the last performance test that could increase emissions;
(7) if there are no deviations from any emission limits or operating limits, a statement that there were no deviations from the emission limits or operating limits during the reporting period;
(8) if a malfunction occurred during the reporting period, the report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken during a malfunction of the boiler to minimize emissions in accordance with 40 CFR § 63.7500(a)(3), including actions taken to correct the malfunction;
(9) if compliance is demonstrate by emission averaging, the permittee shall certify the emission level achieved or the control technology employed is no less stringent than the level or control technology contained in the notification of compliance status in 40 CFR § 63.7545(e)(5)(i); and
(10) for each deviation from an emission limit or operating limit in this subpart that occurs at an individual boiler where you are not using a CMS to comply with that emission limit or operating limit, the compliance report must additionally contain the information required in (i) through (iii), below.
(i) a description of the deviation and which emission limit or operating limit from which you deviated;
(ii) information on the number, duration, and cause of deviations (including unknown cause), as applicable, and the corrective action taken; and
(iii) if the deviation occurred during an annual performance test, provide the date the annual performance test was

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completed.

 # 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.441.]

The permittee shall retain the following records:

(a) a copy of each notification and report submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report submitted, according to the requirements in 40 CFR § 63.10(b)(2)(xiv); and
(b) records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR § 63.10(b)(2)(viii).

VI. WORK PRACTICE REQUIREMENTS.

 # 018 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The emissions of nitrogen oxides from this boiler shall be controlled by the use of low NOx burners and flue gas recirculation.

 # 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
When do I have to comply with this subpart?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall comply with 40 CFR 63, Subpart DDDDD, no later than January 31, 2016.

 # 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What emission limits, work practice standards, and operating limits must I meet?

[Additional authority for this permit conditions is also derived from 40 CFR 63, Subpart DDDDD, Table 3 and 25 Pa. Code § 127.441.]

The permittee must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes this boiler also satisfies the energy assessment requirement.

The energy assessment must include the following with extent of the evaluation for items (a) through (e) appropriate for the on-site technical hours listed in 40 CFR § 63.7575:

(a) a visual inspection of the boiler system;
(b) an evaluation of operating characteristics of the boiler systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints;
(c) an inventory of major energy use systems consuming energy from this boilers and which are under the control of the permittee;
(d) a review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage;
(e) a review of the facility's energy management practices and provide recommendations for improvements consistent with

SECTION D. Source Level Requirements

the definition of energy management practices, if identified;
(f) a list of cost-effective energy conservation measures that are within the facility's control;
(g) a list of the energy savings potential of the energy conservation measures identified; and
(h) a comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

 # 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7525]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What are my monitoring, installation, operation, and maintenance requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall install, operate, calibrate, and maintain an oxygen analyzer system in accordance with the manufacturer's specifications.

The boiler an all associated air pollution control system and monitoring equipment shall be operated and maintained in accordance with safety and good air pollution control practices and according to manufacturer's recommendations.

 # 022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
How do I demonstrate initial compliance with the emission limits and work practice standards?

[Additional authority for this permit condition is derived from 40 CFR 63, Subpart DDDDD, Table 4, and 25 Pa. Code § 127.441.]

The permittee shall maintain the operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance test.

The permittee shall maintain the 30-day rolling average oxygen content at or above the lowest hourly average oxygen concentration measured during the most recent CO performance test.

 # 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
How do I demonstrate continuous compliance with the emission limits and work practice standards?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall conduct an annual tune-up on this boiler.

VII. ADDITIONAL REQUIREMENTS.

 # 024 [25 Pa. Code §121.1 M - Z]
Definitions.

The NOx Allowance Control Period is defined as the period beginning May 1st of each year and ending on September 30th of the same year, inclusive.

 # 025 [25 Pa. Code §127.441]
Operating permit terms and conditions.

This auxiliary boiler has a rated heat input capacity of 392.5 MMBtu/hr, based on the higher heating value of the fuel.

 # 026 [25 Pa. Code §127.503]
Application information.

This boiler is owned by Sunoco Partners Marketing & Terminals, L.P. and operated by FPL Energy Marcus Hook, L.P.

SECTION D. Source Level Requirements

 # 027 [25 Pa. Code §145.8.]

Transition to CAIR NOx Trading Programs.

Transition to CAIR NOx trading programs.

(a) Allowances. Allocations in 2009 will be made in accordance with the Federal CAIR Ozone Season Trading Program, 40 CFR Part 97 (relating to Federal NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs). CAIR NOx Ozone Season allowance allocations for the control period starting May 1, 2010, and for each control period thereafter, will be distributed in accordance with 25 Pa. Code, Chapter 145, Subchapter D.

(b) Termination and retirement of allowances. NOx allowances already allocated for 2009 or later are terminated and may not be used for compliance with the CAIR NOx Annual Trading Program or the CAIR NOx Ozone Season Trading Program, as those terms are defined in 40 CFR §§ 96.102 and 96.302.

(c) Requirements replaced. The emission limitations and monitoring requirements established in 25 Pa. Code, Chapter 145, Subchapter A, are replaced by the requirements in 25 Pa. Code, Chapter 145, Subchapter D, beginning with the May 1, 2010, control period. If the permittee has failed to demonstrate compliance with 25 Pa. Code § 145.54, the provisions in 40 CFR § 96.354 shall be used to withhold CAIR NOx Ozone Season allowances, as that term is defined in 40 CFR § 96.302, in calendar year 2010 and beyond. If no CAIR NOx Ozone Season allowances are provided to the source under 25 Pa. Code § 145.221, the permittee shall acquire and retire a number of CAIR NOx Ozone Season allowances as specified in 40 CFR § 96.354.

(d) Non-EGU NOx Trading Program Budget:

(1) Statewide limitation. The sum of NOx ozone season emissions from all non-EGUs subject to this sub condition may not exceed the Commonwealth's non-EGU NOx Trading Program budget of 3,619 tons during any ozone season.

(2) CAIR NOx Ozone Season allowances. The permittee shall monitor and report NOx emissions in accordance with 40 CFR Part 96, Subpart HHHH, and establish a CAIR-authorized account representative and general account, in accordance with 40 CFR Part 96, Subparts BBBB and FFFF, incorporated into 25 Pa. Code, Chapter 145, Subchapter D by reference, for the purposes of ensuring continued compliance with the non-EGU NOx Trading Program budget limitation of (d)(1), above, and of retiring CAIR NOx Ozone Season allowances.

(3) CAIR NOx allowances. The permittee shall establish a CAIR-authorized account representative and general account in accordance with 40 CFR Part 96, Subparts BB and FF, incorporated into 25 Pa. Code, Chapter 145, Subchapter D, by reference, for the purpose of retiring CAIR NOx allowances.

(4) Emissions below Statewide limitation. If the total ozone season emissions from all non-EGUs are less than 3,438 tons of NOx, the Department's permanent retirement of allowances covers all applicable emissions and no additional account transactions are required by the sources.

(5) Allowable emissions per unit. By January 31, 2009, and by January 31 of each year thereafter, the Department will determine the allowable amount of NOx emissions for the next ozone season for each unit subject to this subsection, as follows:

Allowable emission rate X each unit's heat input

Where "Allowable emission rate" is equal to

$$\frac{\text{3,438 tons of NOx}}{\text{Combined heat input of all units during the most recent ozone season}}$$

(6) Allowance surrender for excess emissions. If the combined NOx emissions from all affected non-EGUs in the commonwealth exceed 3,438 tons in an ozone season, then a source whose actual emissions exceeds its allowable emissions for that ozone season, as determined under (d)(5), above, shall surrender to the Department by April 30 of the year following the ozone season one CAIR NOx Ozone Season allowance and one CAIR NOx allowance for each ton of excess emissions. A source whose excess emissions are 0.5 ton or greater of the next excess ton shall surrender 1 full ton of CAIR NOx allowances (banked or current) for that excess emission. Sources under common ownership may include the allowable and actual emissions from multiple sources to determine whether a unit must surrender allowances.

(7) Surrender procedure. To surrender allowances under (d)(6), above, the permittee shall surrender the required CAIR NOx Ozone Season allowances and CAIR NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following:

(i) the serial number of each allowance surrendered; and

SECTION D. Source Level Requirements

(ii) the calculations used to determine the quantity of allowances required to be surrendered.

(8) Failure to surrender allowances. If the permittee fails to comply with (d)(7), above, the permittee shall by June 30 surrender three CAIR NOx Ozone Season allowances and three CAIR NOx allowances of the current or later year vintage for each ton of excess emissions as calculated under (d)(6), above.

(9) Liability not affected. The surrender of CAIR NOx ozone season allowances and CAIR NOx allowances under (d)(6), above, does not affect the liability of the permittee for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

(i) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates that a lesser number of days should be considered.

(ii) Each ton of excess emissions is a separate violation.

(10) Actual emissions below allowable emissions. If a source's allowable emissions exceed their actual emissions for an ozone season, the permittee may deduct the difference or any portion of the difference from the actual emissions of source's under the permittee's common control that are subject to 25 Pa. Code §§ 129.201.

(11) Corrections. One hundred and eighty-one tons of allowable NOx emissions are available to the Department annually for accounting corrections.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 034 Source Name: AUXILIARY BOILER 4

Source Capacity/Throughput:	392.500	MCF/HR	Natural Gas
	427.500	MCF/HR	PROCESS GAS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the emissions limits below for CO and sulfuric acid mist are a result of a BACT determination.

Air contaminant emissions shall not exceed the following:

(a) NOx - 0.05 lbs/MMBtu (based on a 30-day rolling average) and 118.54 tons in any 12 consecutive month period;
(b) VOC (calculated as methane) - 0.004 lbs/MMBtu and 7.32 tons in any 12 consecutive month period;
(c) CO - 0.06 lbs/MMBtu (based on a 30-day rolling average) and 113.67 tons in any 12 consecutive month period;
(d) PM - 0.01 lbs/MMBtu and 26.37 tons in any 12 consecutive month period;
(e) SO2 - 0.008 lbs/MMBtu and 41.7 tons in any 12 consecutive month period; and
(f) Sulfuric Acid Mist - 0.0006 lbs/MMBtu and 4.2 tons in any 12 consecutive month period.

[The above short-term emission limits apply individually to each auxiliary boiler and shall be calculated as one-hour averages (except for NOx and CO), while the long-term emission limits apply as an aggregate of all four (4) auxiliary boilers, calculated as 12 consecutive month totals.]

Fuel Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for sulfuric acid mist.

The permittee shall only combust natural gas or a combination of natural gas and process gas produced at this facility in this boiler. At no time shall the process gas have a sulfur content greater than 2.5 grains per 100 dry standard cubic feet based on a 24-hour average.

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for PM10 emissions.

Stack tests shall be performed every five years for the following:

SECTION D. Source Level Requirements

(a) volatile organic compounds; and
(b) particulate matter (total particulate and PM10).

The above testing shall be conducted in accordance with 40 CFR § 60.8,40 CFR Part 60, Subpart Db, and Chapter 139 of the Rules and Regulations of the Department.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) Within thirty (30) days of permit issuance and using a Department approved method, the permittee shall sample sulfur concentrations in the process gas upstream of the boilers for a period of fourteen (14) consecutive days, ensuring that the data is representative of typical operating conditions affecting sulfur content in the fuel gas stream going to the auxiliary boiler.

(b) The permittee may rely on the average of the above test data to demonstrate compliance with the process gas sulfur concentration limitation. Additional fourteen (14) consecutive day testing will not be required unless the process gas fuel stream changes in a way that potentially may affect the sulfur concentration to the atmosphere.

(c) Any subsequent testing required by (b), above, shall begin to be conducted beginning within 48 hours of adding a new process gas stream.

 # 005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) At least sixty (60) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
(b) All stack testing shall be conducted in accordance with the provisions of EPA methods or other Department approved methodology and 25 Pa. Code Chapter 139.
(c) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
(d) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
(e) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
When must I conduct subsequent performance tests or fuel analyses?

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.]

The permittee shall conduct a performance test annually (to be completed no more than thirteen (13) months from the previous performance test) as required by 40 CFR § 63.7515 for filterable PM.

The initial performance test shall be performed no later than January 31, 2016.

If your performance tests for a given pollutant for at least 2 consecutive years show that your emissions are at or below 75 percent of the emission limit for the pollutant, and if there are no changes in the operation of the individual boiler that could increase emissions, the permittee may choose to conduct performance tests for the pollutant every third year. Each such performance test must be conducted no more than 37 months after the previous performance test.

If a performance test shows emissions exceeded the emission limit or 75 percent of the emission limit for a pollutant, the permittee must conduct annual performance tests for that pollutant until all performance tests over a consecutive 2-year period meet the required level (at or below 75 percent of the emission limit).

Results of the performance test shall be submitted to the Department within sixty (60) days after completion of the test.

SECTION D. Source Level Requirements

III. MONITORING REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for CO emissions.

The permittee shall operate, and maintain Department certified continuous emission monitors (CEMs) for nitrogen oxides, oxygen, and carbon monoxide on this auxiliary boiler.

Additionally, the permittee shall also follow the requirements found in Section C, pertaining to CEMs.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

 # 008 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The continuous monitoring system for NOx, CO, and oxygen shall be maintained and operated to achieve the following data availability requirements:

(a) greater than or equal to 90% valid hours per calendar month; or
(b) greater than or equal to 95% valid hours per calendar quarter.

where a valid hour is defined as greater than or equal to 75% valid readings (45 minutes per hour).

 # 009 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Continuous monitoring downstream of the air pollution control equipment shall be conducted for NOx, CO, and oxygen.

 # 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The heating value of the process gas shall be monitored as required in the sulfur concentration testing requirement above.

IV. RECORDKEEPING REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall maintain records of the following:

(a) all air pollution control system performance evaluations and records of calibration checks, adjustments, and maintenance performed on all equipment which is subject to this operating permit;
(b) manufacturer's specifications for the four auxiliary boilers;
(c) record of all the stack tests;
(d) current sulfur and heating value process gas test results used to demonstrate compliance with the sulfur concentration limitation;
(e) the emissions from the four auxiliary boilers in order to demonstrate compliance with its limits; and
(f) each start-up and shutdown of this auxiliary boiler. The information recorded shall include date, beginning time of start-up or shutdown, and the ending time of the start-up or shutdown.

 # 012 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Pursuant to the Best Available Control Technology (BACT) of the Prevention of Significant Deterioration (PSD) provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, the following condition is a result of a BACT determination for sulfuric acid mist.

The permittee shall retain records of the testing of the fuel gas for sulfur concentration for a period of five (5) years.

SECTION D. Source Level Requirements

 # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441 and 40 CFR § 60.49b(g).]

The permittee shall maintain the following records each operating day:
(a) calendar date;
(b) average hourly NOx emission rate (measured or predicted);
(c) the 30-day NOx emission rate calculated at the end of each operating day from the measured or predicted hourly NOx emission rate;
(d) identification of operating days when the NOx 30-day average emission rate exceeds the permitted rate of 0.05 lbs/MMBtu;
(e) identification of all operating days when pollutant data is not obtained, along with the reason and description of corrective action taken;
(f) identification of the times when emission data has been excluded and the reason;
(g) identification of the "F" factor used in the calculation the method of determination, and the type of fuel combusted;
(h) identification of the times when the pollutant concentration exceeded the full span of the CEM system;
(i) description of any modification to the CEM system that could affect its ability to comply with Performance Specification 2 or 3; and
(j) results of the daily drift tests and quarterly accuracy assessments as required under 40 CFR § 60, Appendix F, Procedure 1.

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

For each boiler, you must also keep the following records:

(a) monthly records of fuel use and type for each boiler;
(b) if, consistent with 40 CFR § 63.7515(b), you choose to stack test less frequently than annually, you must keep a record that documents that your emissions in the previous stack test(s) were less than seventy-five (75) percent of the applicable emission limit, and document that there was no change in source operations including fuel composition that would cause emissions of the relevant pollutant to increase within the past year;
(c) records of the occurrence and duration of each malfunction of the boiler;
(d) records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR § 63.7500(a)(3), including corrective actions to restore the malfunctioning boiler to its normal or usual manner of operation;
(e) records of the calendar date, time, occurrence and duration of each startup and shutdown; and
(f) records of the type(s) and amount(s) of fuels used during each startup and shutdownf

V. REPORTING REQUIREMENTS.

 # 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441 and 40 CFR § 60.49b(h).]

The permittee shall submit excess emission reports for any calendar quarter that has excess emissions from this source, where an excess emission is any calculated 30-day rolling average nitrogen rate. If there are no excess emissions during the quarter, the permittee shall submit a report semiannually stating that no excess emissions occurred during the semiannual reporting period.

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 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What reports must I submit and when?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall submit compliance reports according to the following schedule:

Initial report covering the period between January 31, 2016 and June 30, 2016.

Subsequent reports shall cover the periods from July 1 through December 30 and from January 1 through June 30.

All reports shall be post marked (or electronically delivered) to the Department and the EPA no later than July 31 (for the period ending June 30) and January 31 (for the period ending December 31).

The compliance report shall contain the following information:
(a) If the facility is subject to the requirements of a tune up they must submit a compliance report with the following information:
(1) company and Facility name and address;
(2) process unit information, emissions limitations, and operating parameter limitations;
(3) date of report and beginning and ending dates of the reporting period;
(4) the total operating time during the reporting period; and
(5) include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to 40 CFR § 63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.
(b) If a facility is complying with the applicable emissions limit with performance testing they must submit a compliance report with the following information:
(1) company and facility name and address;
(2) process unit information, emissions limitations, and operating parameter limitations;
(3) date of report and beginning and ending dates of the reporting period;
(4) the total operating time during the reporting period;
(5) the total fuel use by each individual boiler or process heater subject to an emission limit within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by the EPA or your basis for concluding that the fuel is not a waste, and the total fuel usage amount with units of measure;
(6) if you are conducting performance tests once every three (3) years consistent with 40 CFR § 63.7515(b) or (c), the date of the last two (2) performance tests and a statement as to whether there have been any operational changes since the last performance test that could increase emissions;
(7) if there are no deviations from any emission limits or operating limits, a statement that there were no deviations from the emission limits or operating limits during the reporting period;
(8) if a malfunction occurred during the reporting period, the report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken during a malfunction of the boiler to minimize emissions in accordance with 40 CFR § 63.7500(a)(3), including actions taken to correct the malfunction;
(9) if compliance is demonstrate by emission averaging, the permittee shall certify the emission level achieved or the control technology employed is no less stringent than the level or control technology contained in the notification of compliance status in 40 CFR § 63.7545(e)(5)(i); and
(10) for each deviation from an emission limit or operating limit in this subpart that occurs at an individual boiler where you are not using a CMS to comply with that emission limit or operating limit, the compliance report must additionally contain the information required in (i) through (iii), below.
(i) a description of the deviation and which emission limit or operating limit from which you deviated;
(ii) information on the number, duration, and cause of deviations (including unknown cause), as applicable, and the corrective action taken; and
(iii) if the deviation occurred during an annual performance test, provide the date the annual performance test was

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completed.

 # 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.441.]

The permittee shall retain the following records:

(a) a copy of each notification and report submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report submitted, according to the requirements in 40 CFR § 63.10(b)(2)(xiv); and
(b) records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR § 63.10(b)(2)(viii).

VI. WORK PRACTICE REQUIREMENTS.

 # 018 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The emissions of nitrogen oxides from this boiler shall be controlled by the use of low NOx burners and flue gas recirculation.

 # 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
When do I have to comply with this subpart?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall comply with 40 CFR 63, Subpart DDDDD, no later than January 31, 2016.

 # 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What emission limits, work practice standards, and operating limits must I meet?

[Additional authority for this permit conditions is also derived from 40 CFR 63, Subpart DDDDD, Table 3 and 25 Pa. Code § 127.441.]

The permittee must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes this boiler also satisfies the energy assessment requirement.

The energy assessment must include the following with extent of the evaluation for items (a) through (e) appropriate for the on-site technical hours listed in 40 CFR § 63.7575:

(a) a visual inspection of the boiler system;
(b) an evaluation of operating characteristics of the boiler systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints;
(c) an inventory of major energy use systems consuming energy from this boilers and which are under the control of the permittee;
(d) a review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage;
(e) a review of the facility's energy management practices and provide recommendations for improvements consistent with

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the definition of energy management practices, if identified;
(f) a list of cost-effective energy conservation measures that are within the facility's control;
(g) a list of the energy savings potential of the energy conservation measures identified; and
(h) a comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

 # 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7525]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
What are my monitoring, installation, operation, and maintenance requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall install, operate, calibrate, and maintain an oxygen analyzer system in accordance with the manufacturer's specifications.

The boiler an all associated air pollution control system and monitoring equipment shall be operated and maintained in accordance with safety and good air pollution control practices and according to manufacturer's recommendations.

 # 022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
How do I demonstrate initial compliance with the emission limits and work practice standards?

[Additional authority for this permit condition is derived from 40 CFR 63, Subpart DDDDD, Table 4, and 25 Pa. Code § 127.441.]

The permittee shall maintain the operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance test.

The permittee shall maintain the 30-day rolling average oxygen content at or above the lowest hourly average oxygen concentration measured during the most recent CO performance test.

 # 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.
How do I demonstrate continuous compliance with the emission limits and work practice standards?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall conduct an annual tune-up on this boiler.

VII. ADDITIONAL REQUIREMENTS.

 # 024 [25 Pa. Code §121.1 M - Z]
Definitions.

The NOx Allowance Control Period is defined as the period beginning May 1st of each year and ending on September 30th of the same year, inclusive.

 # 025 [25 Pa. Code §127.441]
Operating permit terms and conditions.

This auxiliary boiler has a rated heat input capacity of 392.5 MMBtu/hr, based on the higher heating value of the fuel.

 # 026 [25 Pa. Code §127.503]
Application information.

This boiler is owned by Sunoco Partners Marketing & Terminals, L.P. and operated by FPL Energy Marcus Hook, L.P.

SECTION D. Source Level Requirements

 # 027 [25 Pa. Code §145.8.]

Transition to CAIR NOx Trading Programs.

Transition to CAIR NOx trading programs.

(a) Allowances. Allocations in 2009 will be made in accordance with the Federal CAIR Ozone Season Trading Program, 40 CFR Part 97 (relating to Federal NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs). CAIR NOx Ozone Season allowance allocations for the control period starting May 1, 2010, and for each control period thereafter, will be distributed in accordance with 25 Pa. Code, Chapter 145, Subchapter D.

(b) Termination and retirement of allowances. NOx allowances already allocated for 2009 or later are terminated and may not be used for compliance with the CAIR NOx Annual Trading Program or the CAIR NOx Ozone Season Trading Program, as those terms are defined in 40 CFR §§ 96.102 and 96.302.

(c) Requirements replaced. The emission limitations and monitoring requirements established in 25 Pa. Code, Chapter 145, Subchapter A, are replaced by the requirements in 25 Pa. Code, Chapter 145, Subchapter D, beginning with the May 1, 2010, control period. If the permittee has failed to demonstrate compliance with 25 Pa. Code § 145.54, the provisions in 40 CFR § 96.354 shall be used to withhold CAIR NOx Ozone Season allowances, as that term is defined in 40 CFR § 96.302, in calendar year 2010 and beyond. If no CAIR NOx Ozone Season allowances are provided to the source under 25 Pa. Code § 145.221, the permittee shall acquire and retire a number of CAIR NOx Ozone Season allowances as specified in 40 CFR § 96.354.

(d) Non-EGU NOx Trading Program Budget:

(1) Statewide limitation. The sum of NOx ozone season emissions from all non-EGUs subject to this sub condition may not exceed the Commonwealth's non-EGU NOx Trading Program budget of 3,619 tons during any ozone season.

(2) CAIR NOx Ozone Season allowances. The permittee shall monitor and report NOx emissions in accordance with 40 CFR Part 96, Subpart HHHH, and establish a CAIR-authorized account representative and general account, in accordance with 40 CFR Part 96, Subparts BBBB and FFFF, incorporated into 25 Pa. Code, Chapter 145, Subchapter D by reference, for the purposes of ensuring continued compliance with the non-EGU NOx Trading Program budget limitation of (d)(1), above, and of retiring CAIR NOx Ozone Season allowances.

(3) CAIR NOx allowances. The permittee shall establish a CAIR-authorized account representative and general account in accordance with 40 CFR Part 96, Subparts BB and FF, incorporated into 25 Pa. Code, Chapter 145, Subchapter D, by reference, for the purpose of retiring CAIR NOx allowances.

(4) Emissions below Statewide limitation. If the total ozone season emissions from all non-EGUs are less than 3,438 tons of NOx, the Department's permanent retirement of allowances covers all applicable emissions and no additional account transactions are required by the sources.

(5) Allowable emissions per unit. By January 31, 2009, and by January 31 of each year thereafter, the Department will determine the allowable amount of NOx emissions for the next ozone season for each unit subject to this subsection, as follows:

Allowable emission rate X each unit's heat input

Where "Allowable emission rate" is equal to

$$\frac{\text{3,438 tons of NOx}}{\text{Combined heat input of all units during the most recent ozone season}}$$

(6) Allowance surrender for excess emissions. If the combined NOx emissions from all affected non-EGUs in the commonwealth exceed 3,438 tons in an ozone season, then a source whose actual emissions exceeds its allowable emissions for that ozone season, as determined under (d)(5), above, shall surrender to the Department by April 30 of the year following the ozone season one CAIR NOx Ozone Season allowance and one CAIR NOx allowance for each ton of excess emissions. A source whose excess emissions are 0.5 ton or greater of the next excess ton shall surrender 1 full ton of CAIR NOx allowances (banked or current) for that excess emission. Sources under common ownership may include the allowable and actual emissions from multiple sources to determine whether a unit must surrender allowances.

(7) Surrender procedure. To surrender allowances under (d)(6), above, the permittee shall surrender the required CAIR NOx Ozone Season allowances and CAIR NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following:

(i) the serial number of each allowance surrendered; and

SECTION D. Source Level Requirements

(ii) the calculations used to determine the quantity of allowances required to be surrendered.

(8) Failure to surrender allowances. If the permittee fails to comply with (d)(7), above, the permittee shall by June 30 surrender three CAIR NOx Ozone Season allowances and three CAIR NOx allowances of the current or later year vintage for each ton of excess emissions as calculated under (d)(6), above.

(9) Liability not affected. The surrender of CAIR NOx ozone season allowances and CAIR NOx allowances under (d)(6), above, does not affect the liability of the permittee for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

(i) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates that a lesser number of days should be considered.

(ii) Each ton of excess emissions is a separate violation.

(10) Actual emissions below allowable emissions. If a source's allowable emissions exceed their actual emissions for an ozone season, the permittee may deduct the difference or any portion of the difference from the actual emissions of source's under the permittee's common control that are subject to 25 Pa. Code §§ 129.201.

(11) Corrections. One hundred and eighty-one tons of allowable NOx emissions are available to the Department annually for accounting corrections.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 113 Source Name: (6) DIESEL ENGINE PUMPS

Source Capacity/Throughput: N/A #2 Oil

PROC 113 → STAC S113

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any of these engines in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

 # 002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from any of these engines in a manner that the concentration of the sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 ppmvd.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Compliance with this condition assures compliance with 40 CFR 52.2020(d)(1) and 66 FR 54699 (10/30/01).]

The permittee shall ensure that the operation of these engines shall not result in aggregate atmospheric emissions in excess of the following:

(a) particulate matter - 2.32 tons;
(b) sulfur oxides - 2.74 tons;
(c) nitrogen oxides - 23.79 tons;
(d) carbon monoxide - 6.11 tons per year; and
(e) volatile organic compounds - 0.91 tons.

All emissions shall be calculated on a 12-month rolling basis using engine specific emission factors (g/hp-hr) derived from engine testing or manufacturer documentation.

Throughput Restriction(s).

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Compliance with this condition assures compliance with 40 CFR 52.2020(d)(1) and 66 FR 54699 (10/30/01).]

The aggregate diesel fuel consumption for all six (6) engines shall not exceed 105,851 gallons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following:

(a) the date of operation; and

SECTION D. Source Level Requirements

(b) the starting and ending time of the operation.

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Compliance with this condition assures compliance with 40 CFR 52.2020(d)(1) and 66 FR 54699 (10/30/01).]

The permittee shall maintain records of the following:

(a) the date of operation(s);
(b) the starting and ending time of the operation(s);
(c) monthly and 12 consecutive month emissions of PM, VOC, CO, NOx, and SOx; and
(c) monthly and 12 consecutive month aggregate fuel usage.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 007 [25 Pa. Code §129.203]
Stationary internal combustion engines.

(a) By October 31 of each year, the permittee shall calculate the difference between the actual emissions from each unit during the period from May 1 through September 30 and the allowable emissions for that period.
(b) The permittee shall calculate allowable emissions by multiplying the cumulative hours of operations for each unit for the period by the horsepower rating of the unit and by the applicable emission rate for a compression ignition stationary internal combustion engine firing diesel fuel or a combination of diesel fuel and natural gas (2.3 grams of NOx per brake horsepower-hour).

 # 008 [25 Pa. Code §129.204]
Emission accountability.

(a) The permittee, not required to monitor NOx emissions with a CEMS, shall determine actual NOx emissions in accordance with one of the following:
(1) The 1-year average emission rate calculated from the most recent permit emission limit compliance demonstration test data for NOx.
(2) The maximum hourly allowable NOx emission rate contained in the permit or the higher of the following:
(i) The highest rate determined by use of the emission factor for the unit class contained in the most up-to date version of the EPA publication, "AP-42 Compilation of Air Pollution Emission Factors."
(ii) The highest rate determined by use of the emission factor for the unit class contained in the most up-to date version of EPA's "Factor Information Retrieval (FIRE)" data system.
(3) CEMS data, if the permittee elects to monitor NOx emissions with a CEMS. The permittee shall monitor emissions and report the data from the CEMS in accordance with 25 Pa. Code, Chapter 139 or Chapter 145 (relating to interstate pollution transport reduction). Any data invalidated under Chapter 139 shall be substituted with data calculated using the potential emission rate for the unit or, if approved by the Department in writing, an alternative amount of emissions that is more representative of actual emissions that occurred during the period of invalid data.
(4) An alternate calculation and recordkeeping procedure based upon emissions testing and correlations with operating parameters. The operator of the unit shall demonstrate that the alternate procedure does not underestimate actual emissions throughout the allowable range of operating conditions. The alternate calculation and recordkeeping procedures must be approved by the Department, in writing, prior to implementation.

(b) The permittee of a unit subject to 25 Pa. Code § 129.204 shall surrender to the Department one NOx allowance, as defined in 25 Pa. Code § 145.2 (relating to definitions), for each ton of NOx by which the combined actual emissions exceed

SECTION D. Source Level Requirements

the allowable emissions of the units subject to this section at a facility from May 1 through September 30. The surrendered NOx allowances shall be of current year vintage. For the purpose of determining the amount of allowances to surrender, any
remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton less than 0.50 ton is deemed to equal zero tons.
(c) If the combined allowable emissions from units subject to this section at a facility from May 1 through September 30 exceed the combined actual emissions from units subject to this section at the facility during the same period, the owner or operator may deduct the difference or any portion of the difference from the amount of actual emissions from units subject to 25 Pa. Code § 129.204 at the permittee's other facilities.
(d) By November 1 of each year, the permittee shall surrender the required NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following:
(1) the serial number of each NOx allowance surrendered; and
(2) the calculations used to determine the quantity of NOx allowances required to be surrendered.t

(e) If the permittee fails to comply with (e), above, the permittee shall by December 31 surrender three NOx allowances of the current or later year vintage for each NOx allowance that was required to be surrendered by November 1 of that year.
(f) The surrender of NOx allowances under (f), above, does not affect the liability of the permittee of the unit for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.
(1) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates that a lesser number of days should be considered.
(2) Each ton of excess emissions is a separate violation.

VII. ADDITIONAL REQUIREMENTS.

 # 009 [25 Pa. Code §127.441]
Operating permit terms and conditions.

This source consists of six (6) diesel engines that are used to drive six (6) pumps to move storm water and process wastewater.

(a) P-05A-06A: 1250 HP diesel pump;
(b) P-05A-06B: 1250 HP diesel pump;
(c) P-05A-04A: 2250 HP diesel pump;
(d) P-05A-04B: 2250 HP diesel pump;
(e) P-05A-02A: 1750 HP diesel pump; and
(f) P-05A-02B: 1750 HP diesel pump.

 # 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.

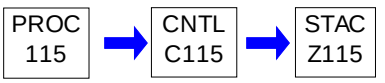
These engines are subject to 40 CFR 63, Subpart ZZZZ, which is addressed in plan approval number, 23-01001Z.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 115 Source Name: MARINE VESSEL LOADING

Source Capacity/Throughput: N/A PETROLEUM PRODUCTS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.564.]

(a) Loading shall be conducted under negative gauge pressure as measured between the facility's vapor connection and the manual isolation valve.
(b) The permittee shall install, calibrate, maintain, and operate a recording pressure measurement device (magnehelic gauge or equivalent device) and an audible and visible alarm system that is activated when the negative pressure vacuum is not attained. The alarm shall be placed in a location that can be seen and heard where cargo transfer is controlled.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.563.]

The permittee shall calculate an annual estimate of HAP emissions, excluding commodities exempted by 40 CFR § 63.560(d), from marine tank vessel loading operations. Emission estimates and emission factors shall be based on test data, or if test data is not available, shall be based on measurement or estimating techniques generally accepted in industry practice for operating conditions at the source.

Compliance with the HAP/VOC emission reduction requirement shall be demonstrated using the methods specified in 40 CFR § 63.565 (d) and (l).

Control Device Efficiencies Restriction(s).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR 52.2020(d)(1) and 66 FR 54699 (10/30/01) and 40 CFR § 63.562.]

(a) All VOC vapors that results from loading gasoline or other normally liquid petroleum products with a Reid Vapor Pressure greater than 4.0 psia and vapors associated with the loading/unloading of any commodities with a HAP content greater than 0.5% total HAP by weight, shall be processed through the existing vapor recovery system.
(b) VOC and HAP emissions collected in the existing vapor control system shall be combusted in combustion units having a heat input capacity of 44 MW or greater and shall destroy HAP and VOC vapors by a minimum of 97 and 98% by weight, respectively. This VOC reduction could alternatively be met by reducing gasoline loading emissions to, at most, 1,000 ppmv outlet VOC concentration.
(c) The permittee shall limit marine tank vessel loading operations of commodities with greater than 0.5% HAP, by weight, to vessels that are vapor tight and to those vessels that are connected to the vapor collection system.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 129.81(1)(ii) and (2).]

II. TESTING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.563.]

SECTION D. Source Level Requirements

(a) Initial performance testing to demonstrate compliance with the operating pressure requirements of 33 § CFR 154.814 shall be conducted using the procedures in 40 § 63.565(b).
(b) The permittee shall verify the accuracy of the pressure device used to demonstrate compliance with the negative pressure marine tank vessel requirement once each calendar year with a reference pressure monitor (traceable to National Institute of Standards and Technology (NIST) standards or an independent pressure measurement device dedicated for this purpose).
(c) Performance testing shall be conducted in accordance with 40 CFR §§ 63.7 and 63.565.

III. MONITORING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall monitor the loading of the type, quantity, and vapor pressure of petroleum products on a daily basis.

 # 006 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.562.]

The permittee shall:
(a) inspect and monitor all ductwork and piping connections to the vapor collection system and control devices once each calendar year using EPA method 21;
(b) ensure that all monitoring equipment is installed such that representative measures of emissions or process parameters from the source are obtained. Equipment purchased from a vendor must include verification of the operational status of the monitoring equipment and shall include the manufacturer's written specifications;
(c) measure and record the vent stream flowrate of each by-pass line once every fifteen (15) minutes.
(1) The permittee shall install, calibrate, maintain, and operate a flow indicator and data recorder. The flow indicator shall be installed immediately downstream of any valve (i.e., entrance to by-pass line) that could divert the vent stream from the control device to the atmosphere;
(2) The permittee shall install, calibrate, maintain, and operate a flow indicator with either an audio or visual alarm. The flow indicator and alarm shall be installed immediately downstream of any valve (i.e., entrance to by-pass line) that could divert the vent stream from the control device to the atmosphere. The alarm shall be checked every 6 months to demonstrate that it is functioning properly; or
(3) Visually inspect the seal or closure mechanism once during each marine tank vessel loading operation and at least once every month to ensure that the valve is maintained in the closed position and that the vent stream is not diverted through the by-pass line; record all times when the car seals have been broken and the valve position has been changed. Each by-pass line valve shall be secured in the closed position with a car-seal or a lock-and-key type configuration.

(d) The permittee shall continuously monitor the operating pressure of the marine tank vessel during loading. Except for system breakdowns, out-of-control periods, repairs, maintenance periods, calibration checks, and zero (low-level) and high-level calibration drift adjustments, all continuous parametric monitoring systems (CPMS) shall be in continuous operation while marine tank vessel loading operations are occurring and shall meet minimum frequency of operation requirements. Sources monitoring by use of CPMS shall complete a minimum of one cycle of operation (sampling, analyzing, and/or data recording) for each successive 15-minute period. The CPMS shall comply with the performance specifications either in performance specification (PS) 8 in 40 CFR § 63.7(c)(6).
(e) If the 3-hour or 3-cycle block average operating parameters in 40 CFR § 63.563(b)(4) through (9), outside the acceptable operating ranges, are measured and recorded, i.e., variances of the pollution control device or monitoring equipment, the permittee shall perform an unscheduled inspection of the control device and monitoring equipment and review of the parameter monitoring data. The permittee shall perform an inspection and review when total parameter variance time for the control device is greater than 10% of the operating time for marine tank vessel loading operations on a 30-day, rolling-average basis. The inspection and review shall be conducted within twenty-four (24) hours after passing the allowable variance time of 10%. The inspection checklist from the requirements of 40 § 63.562(e)(2)(iii) and the monitoring data from requirements in 40 CFR §§ 63.562(e)(2)(ii) and 63.564 should be used to identify any maintenance problems that may be associated with the variance. The unscheduled inspection should encompass all components of the control device and monitoring equipment that can be inspected while in operation. If any maintenance problem is identified during the inspection, the permittee must take corrective action (e.g., adjustments to operating controls, etc.) as soon as practicable. If no immediate maintenance problems are identified from the inspection performed while the equipment is operating, a

SECTION D. Source Level Requirements

complete inspection in accordance with 40 § 63.562(e)(2) must be conducted prior to the next marine tank vessel loading operation and corrective action (e.g., replacement of defective parts) must be taken as soon as practicable for any maintenance problem identified during the complete inspection.

IV. RECORDKEEPING REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.

On a monthly basis, the permittee shall record the aggregate gasoline loaded into marine vessels and perform throughput calculations on a rolling 12 consecutive month period and on a 24 month annual average basis.

 # 008 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Compliance with this condition assures compliance with 40 CFR 52.2020(d)(1) and 66 FR 54699 (10/30/01).]

The permittee shall retain records of the actual monthly and 12 consecutive month throughput for the marine vessel loading operations.

The permittee shall calculate an annual estimate of HAP emissions from the marine vessel loading operations.

These records shall be kept for five (5) years.

 # 009 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.562.]

(a) The permittee shall develop and submit to the Administrator and the Department for approval, upon request, a site-specific performance evaluation test plan for the CMS performance evaluation required in 40 CFR § 63.8(e). The quality control program shall include:
(1) a written protocol that describes the procedures for initial and any subsequent calibration of the CMS;
(2) determination and adjustment of the calibration drift of the CMS;
(3) preventive maintenance of the CMS, including spare parts inventory; and
(4) data recording, calculations, and reporting, and accuracy audit procedures, including sampling and analysis methods.

(b) The operation and maintenance plan shall be revised within forty-five (45) working days after an event indicating failure or inadequacy or the plan to address a variance event. The revised plan shall include procedures for operating and maintaining the air pollution control equipment or monitoring equipment during similar variance events and a program for corrective action for such events.
(c) The source's Standard Operating Procedures (SOP) manual, OSHA plan, or other existing plan may be used to satisfy the requirement for the operating and maintenance plan provided that the alternative plan meets the requirements of 40 CFR § 63.562(e) and are made available for inspection when requested by the administrator.

 # 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall record:

(a) the leak and repair history of the EPA Method 21 inspections; and
(b) the results of the bypass line checks/inspections.

 # 011 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall retain daily records of the type, quantity, and vapor pressure of petroleum products that were loaded.

 # 012 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.81.]

SECTION D. Source Level Requirements

The permittee shall record on a monthly and 12 consecutive month basis the volume of receipts delivered to the facility that are in vessels that do not ballast, such as barges, or that are in vessels which do not emit VOCs when ballasted, such as tankers using segregated ballast tanks.

V. REPORTING REQUIREMENTS.

 # 013 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.567.]

(a) Within sixty (60) days after the date of completing each performance test, the permittee must submit performance test data, except opacity data, electronically to EPA's Central Data Exchange by using the ERT (see http://www.epa.gov/ttn/chief/ert/ert tool.html/) or other compatible electronic spreadsheet. Only data collected using test methods compatible with ERT are subject to this requirement to be submitted electronically into EPA's WebFIRE database.

(b) All reports required by 40 CFR 63, Subpart Y, not subject to the requirements in (a), above must be sent to the Administrator at the appropriate address listed in 40 CFR § 63.13. If acceptable to both the Administrator and the permittee, these reports may be submitted on electronic media. The Administrator retains the right to require submittal of reports subject to (a), above in paper format.

VI. WORK PRACTICE REQUIREMENTS.

 # 014 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Compliance with this condition assures compliance with 40 CFR 52.2020(d)(1) and 66 FR 54699 (10/30/01).]

The permittee shall limit the loading of tank trucks, railcars, and marine vessels to tank trucks, railcars, and marine vessels whose collection systems are connected to the source's vapor collection system.

 # 015 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.81.]

The discharge point of a cargo tank filling line must be no higher above the bottom of the cargo tank of sump than ten (10) cm (approx. 4 in.) or the radius of the filling line, whichever is greater.

 # 016 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Compliance with this condition assures compliance with 40 CFR 52.2020(d)(1) and 66 FR 54699 (10/30/01).]

(a) All VOC emissions shall be collected and added to the existing vapor control system. All collected emissions shall be combusted in combustion units which provide at least 98% destruction efficiency, by weight. The vent stream shall be introduced into the flame zone of these devices.
(b) The permittee shall only load marine vessels which have been determined to be vapor tight as determined by ensuring that each marine vessel is loaded with the product tank below atmospheric pressure (i.e., at negative pressure).
(c) The permittee shall operate its vapor collection system in such a manner that all pressure-vacuum vents remain closed and that the maximum normal operating pressure of the marine vessel's vapor collection equipment system does not exceed 0.8 times the lowest pressure-vacuum vent relief setting.
(d) On annual basis, the permittee shall inspect the vapor collection system for leaks and detectable emissions, and promptly repair any leaks. This annual inspection of the vapor collection system and control device(s) shall be done during the loading of marine vessels.
(e) Vent systems that contain valves that could divert a vent stream from a control device shall have car-sealed opened all of the valves in the vent system from the emission source to the control device, and car-sealed closed all of the valves in the vent system that would lead the vent stream to the atmosphere, either directly or indirectly, bypassing the control device.
(f) The permittee shall operate, maintain, and calibrate a recording pressure measurement device (magnehelic gauge or equivalent device) and an audible and visible alarm system that is activated when the vacuum pressure specified above is not attained. The alarm system must be placed so that it can be seen and heard where cargo transfer is controlled and on

SECTION D. Source Level Requirements

the open dock.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.81(1) and (2).]

 # 017 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.562.]

If the permittee experiences an exceedance of its emission limit(s) during a malfunction, it shall notify the Administrator by telephone or facsimile (FAX) transmission as soon as possible, but no later than two (2) business days, if it wishes to avail itself to an affirmative defense to civil penalties for that malfunction.

The permittee seeking to assert an affirmative defense shall also submit a written report to the Administrator within forty-five (45) days of the initial occurrence of the exceedance of the standard in this subpart to demonstrate, with all necessary supporting documentation, that it has met the requirements set forth in 40 CFR § 63.562(e)(7)(i).

 # 018 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.563.]

(a) If evidence of a potential leak is found during the annual inspection (visual, audible, olfactory, or any other detection method), all ductwork and piping and connections to vapor collection systems and control devices shall be inspected to the extent necessary to positively identify the potential leak and any potential leaks shall be monitored within five (5) days by EPA Test Method 21. Each detection of a leak shall be recorded, and the leak shall be tagged until repaired.

(b) When a leak is detected, a first effort to repair the vapor collection system and control device shall be made within fifteen (15) days or prior to the next marine tank vessel loading operation, whichever is later.

 # 019 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR 52.2020(d)(1) and 66 FR 54699 (10/30/01) and 40 CFR § 63.563.]

(a) Each valve in the vapor collection system that would route displaced vapors to the atmosphere, either directly or indirectly, shall be secured closed during marine tank vessel loading operations either by using a car-seal or a lock-and-key type configuration, or the by-pass line from the valve shall be equipped with a flow indicator, except for those valves used for pressure/vacuum relief, analyzers, instrumentation devices, sampling, and venting for maintenance. Marine tank vessel loading operations shall not be performed with open by-pass lines.
(b) Repairs shall be made to valves, car-seals, or closure mechanisms no later than fifteen (15) days after a change in the position of the valve or a break in the car-seal or closure mechanism is detected or no later than prior to the next marine tank vessel loading operation, whichever is later.

 # 020 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.562.]

The permittee shall develop a written operation and maintenance plan in accordance with the requirements of 40 CFR § 63.652(e), including a Continuous Monitoring System (CMS) quality control program.

 # 021 [25 Pa. Code §129.81]
Organic liquid cargo vessel loading and ballasting

A minimum of 98% of the total volume of receipts delivered to the facility shall be in vessels that do not ballast, such as barges, or in vessels which do not emit VOCs when ballasted, such as tankers using segregated ballast tanks.

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 116 Source Name: MARINE VESSEL BALLASTING

Source Capacity/Throughput: N/A BALLAST WATER

PROC 116 → STAC Z116

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]
Operating permit terms and conditions.

During each ballasting operation, the permittee shall monitor the type and amount of ballast water being pumped from marine vessel storage vessels.

Any ballast water containing VOCs shall be monitored for content.

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall record the type and amount of ballast water being pumped from each marine storage vessel during ballasting operation.

The VOC content of any ballast water containing VOCs shall be recorded.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.81.]

The permittee shall record on a monthly and 12 consecutive month basis the volume of receipts delivered to the facility that are in vessels that do not ballast, such as barges, or that are in vessels which do not emit VOCs when ballasted, such as tankers using segregated ballast tanks.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall record the following on a monthly basis:

(a) the total volume of receipts received;
(b) the total volume of receipts received that are either in vessels that do not ballast or in vessels that do not emit VOCs when ballasted.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

While ballasting VOC-laden vapors, the permittee shall operate its vapor collection system in such a manner that all pressure-vacuum vents remain closed and that the maximum normal operating pressure of the marine vessel's vapor collection equipment system does not exceed 0.8 times the lowest pressure-vacuum vent relief setting.

 # 006 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.81.]

A minimum of 98% of the total volume of receipts delivered to the facility shall be in vessels that do not ballast, such as barges, or in vessels which do not emit VOCs when ballasted, such as tankers using segregated ballast tanks.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 121 Source Name: TANK 139 INT FLOAT 6.5 MBBL

Source Capacity/Throughput: N/A PETRO. LIQUIDS

PROC 121 → STAC Z121

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 001 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The following shall be recorded monthly:

(a) throughput type and amount; and
(b) product vapor pressure.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

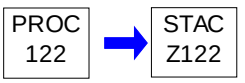
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 122 Source Name: TANK 130 EXT FLOAT 208.5 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

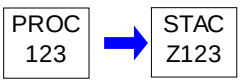
The applicable requirements for this source can be found in Source T001 (NSPS Kb External Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 123 Source Name: TANK 131 EXT FLOAT 208.5 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

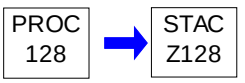
The applicable requirements for this source can be found in Source T001 (NSPS Kb External Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 128 Source Name: TANK 234 INT FLOAT 70.1 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

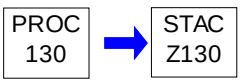
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 130 Source Name: TANK 132 INT FLOAT 14.6 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 131 Source Name: TANK 241 INT FLOAT 60.9 MBB

Source Capacity/Throughput: N/A PETROL LIQUIDS

PROC 131 → STAC Z131

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

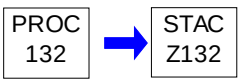
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 132 Source Name: TANK 242 INT FLOAT 69.2 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions from this tank shall not exceed 3.23 tons in any 12 cnosecutive month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Using Tanks 4.09 or equivalent, the permittee shall calculate and record the VOC emissions on a monthly and 12 consecutive month basis.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

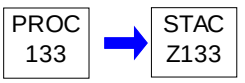
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 133 Source Name: TANK 246 INT FLOAT 54.4 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

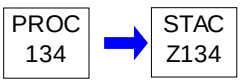
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 134 Source Name: TANK 248 INT FLOAT 52.4 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

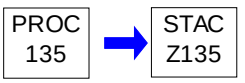
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 135 Source Name: TANK 249 INT FLOAT 53.8 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

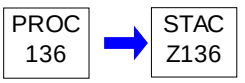
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 136 Source Name: TANK 250 INT FLOAT 80.4 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

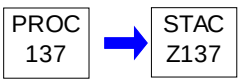
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 137 Source Name: TANK 137 INT FLOAT 5 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

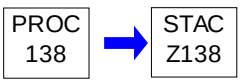
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 138 Source Name: TANK 252 EXT FLOAT 81.3 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T001 (NSPS Kb External Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 139 Source Name: COOLING TOWERS

Source Capacity/Throughput: N/A RECYCLE WATER

PROC 139 → STAC Z139

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]
Operating permit terms and conditions.
[Compliance with this condition assures compliance with 40 CFR § 52.2063(c)(179).]

VOC emissions from the cooling towers shall not exceed any of the following:

15-6 Plant: 1.47 tons VOC/year;
15-2B Plant: 4.60 tons VOC/year; and
17-1P Plant: 2.21 tons VOC/year.

VOC emissions from leaks shall be tracked and accounted for in the VOC calculations, as applicable.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]
Operating permit terms and conditions.
[Compliance with this condition assures compliance with 40 CFR § 52.2063(c)(179).]

The permittee shall calculate monthly and 12 consecutive month VOC emissions for each cooling tower that has a VOC limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.
[Compliance with this condition assures compliance with 40 CFR § 52.2063(c)(179).]

(a) To minimize VOC emissions from the cooling towers, the permittee shall operate and maintain the cooling tower system in a manner consistent with good operating and maintenance (O&M) practices. The permittee shall use its equipment inspection and monitoring program (I&M) to minimize and repair exchanger leaks. When VOC emissions are

SECTION D. Source Level Requirements

detected, the permittee shall as expeditiously as possible troubleshoot the problem, and isolate the leak.

(b) The permittee shall not use chromium-based water treatment chemicals in any affected cooling towers.

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

This source identification number represents the following plant cooling water towers:

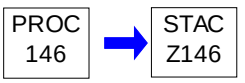
15-6 Plant Cooling Tower. Capacity = 480,000 gal/hr cooling water;
17-1P Plant Cooling Tower. Capacity = 720,000 gal/hr cooling water; and
15-2B Plant Cooling Tower. Capacity = 1,500,000 gal/hr cooling water.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 146 Source Name: TANK 344 FIXED ROOF 190.3 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

Control Device Efficiencies Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only store volatile organic liquids having a vapor pressure less than 5.2 kPa in this storage tank.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 129.56.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the type and amount of throughput for this tank on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the type and amount of throughput for this tank on a monthly basis.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 147 Source Name: TANK 351 INT FLOAT 179.7 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS

PROC 147 → STAC Z147

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 148 Source Name: TANK 352 INT FLOAT 179.7 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS

PROC 148 → STAC Z148

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

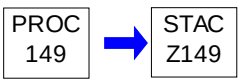
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 149 Source Name: TANK 353 INT FLOAT 189.7 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

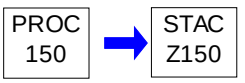
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 150 Source Name: TANK 354 INT FLOAT 182.2 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

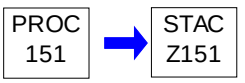
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 151 Source Name: TANK 355 INT FLOAT 189.7 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

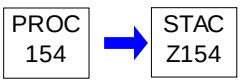
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 154 Source Name: TANK 386 EXT FLOAT 80.7 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

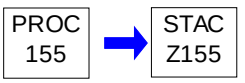
The applicable requirements for this source can be found in Source T001 (NSPS Kb External Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 155 Source Name: TANK 387 INT FLOAT 80.7 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

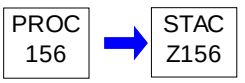
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 156 Source Name: TANK 388 INT FLOAT 80.9 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

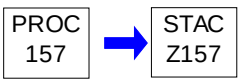
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 157 Source Name: TANK 389 INT FLOAT 80.7 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

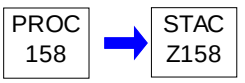
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 158 Source Name: TANK 390 INT FLOAT 76.53 MBB

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

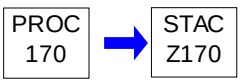
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 170 Source Name: TANK 452 INT FLOAT 11.7 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

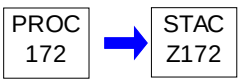
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 172 Source Name: TANK 454 INT FLOAT 11.8 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Aggregate VOC emissions, including emissions from heated tanks, from this source and sources 188, 192, 198, and 221 shall not exceed 7.5 tons in any 12 consecutive month period.

Compliance with the above emission limit shall be determined using a Department approved method.

Additional authority for this permit condition is also derived from plan approvals 23-312-194 and PA-23-0001F and Title V permit 23-00001.

Throughput Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall store only VOCs with a vapor pressure less than 11 psia, under actual storage conditions, as stated in 25 Pa. Code § 129.56(g).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Tank throughput and type shall be monitored monthly.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Tank throughput and type of product shall be recorded monthly, for use in demonstrating compliance with the emission limits.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 173 Source Name: TANK 455 INT FLOAT 11.9 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS

PROC 173 → STAC Z173

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following tanks shall store VOLs with a vapor pressure of 11 psia or less, except tank 12 (fixed roof tank), which must store VOLs with a vapor pressure of 1.5 psia or less. The use of the following tanks shall not result in aggregate VOC emissions in any 12 consecutive month period exceeding 40.4 tons.

Source No.	Tank No.
203	12
204	253
173	455
212	610
193	612
194	613
213	614
214	615
215	616
223	634
224	635
225	638

Compliance with the above emission limit shall be determined using a Department approved method.

Note. A previous tank group limit of 47.13 tpy had included these tanks. 6.73 tons of emissions stayed with the former Sunoco Marcus Hook Refinery, permit number 23-00001.

Additional authority for this permit condition is also derived from plan approval, numbers 23-312-198, 23-312-198A, PA-23-0001G, and PA-23-0001J and Title V permit 23-00001.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored on a monthly basis:

(a) type and amount of material stored;
(b) actual vapor pressure of the material stored;
(c) records of annual inspections; and
(d) records of any required seal gap measurements.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The following shall be recorded on a monthly basis:

(a) 12 consecutive month emission sums;
(b) records of all emission calculations;
(c) type and amount of material stored;
(d) actual vapor pressure of the material stored;
(e) records of any required annual inspections; and
(f) records of any required seal gap measurements.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

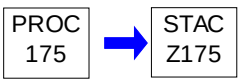
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 175 Source Name: TANK 522 EXT FLOAT 81.3 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

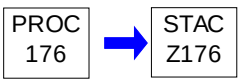
The applicable requirements for this source can be found in Source T001 (NSPS Kb External Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 176 Source Name: TANK 523 EXT FLOAT 81.9 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

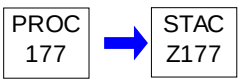
The applicable requirements for this source can be found in Source T001 (NSPS Kb External Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 177 Source Name: TANK 524 INT FLOAT 75.7 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

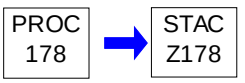
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 178 Source Name: TANK 527 INT FLOAT 69.7 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

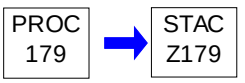
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 179 Source Name: TANK 528 EXT FLOAT 149.2 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

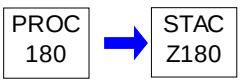
The applicable requirements for this source can be found in Source T001 (NSPS Kb External Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 180 Source Name: TANK 529 EXT FLOAT 149.2 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

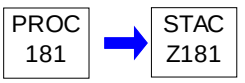
The applicable requirements for this source can be found in Source T001 (NSPS Kb External Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 181 Source Name: TANK 593 INT FLOAT 130.1 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

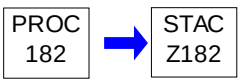
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 182 Source Name: TANK 594 EXT FLOAT 81.3 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

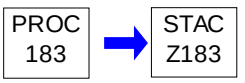
The applicable requirements for this source can be found in Source T001 (NSPS Kb External Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 183 Source Name: TANK 595 EXT FLOAT 85.7 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

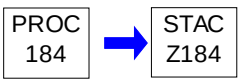
The applicable requirements for this source can be found in Source T001 (NSPS Kb External Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 184 Source Name: TANK 596 EXT FLOAT 81.3 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

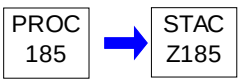
The applicable requirements for this source can be found in Source T001 (NSPS Kb External Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 185 Source Name: TANK 597 EXT FLOAT 81.3MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

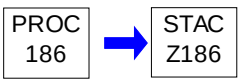
The applicable requirements for this source can be found in Source T001 (NSPS Kb External Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 186 Source Name: TANK 598 INT FLOAT 49.6 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

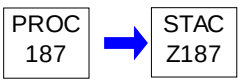
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 187 Source Name: TANK 599 INT FLOAT 53.4 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

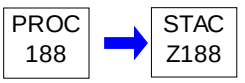
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 188 Source Name: TANK 607 INT FLOAT 100 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Aggregate VOC emissions, including emissions from heated tanks, from this source and sources 172, 192, 198, and 221 shall not exceed 7.5 tons in any 12 consecutive month period.

Compliance with the above emission limit shall be determined using a Department approved method.

Additional authority for this permit condition is also derived from plan approvals 23-312-194 and PA-23-0001F and Title V permit 23-00001.

Throughput Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall store only VOCs with a vapor pressure less than 11 psia, under actual storage conditions, as stated in 25 Pa. Code § 129.56(g).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Tank throughput and type shall be monitored monthly.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Tank throughput and type of product shall be recorded monthly for use in demonstrating compliance with the emission limits.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

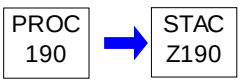
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 190 Source Name: TANK 609 INT FLOAT 98.17 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions from this heated tank shall not exceed 4660 lbs (2.33 tons) in any 12 consecutive month period.

Compliance with the above emission limit shall be determined using a Department approved method.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Throughput shall be monitored monthly.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall be calculated monthly and on a 12 consecutive month basis to demonstrate compliance with the VOC limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

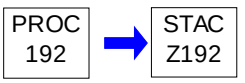
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 192 Source Name: TANK 611 INT FLOAT 87.8 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Aggregate VOC emissions, including emissions from heated tanks, from this source and sources 172, 188, 198, and 221 shall not exceed 7.5 tons in any 12 consecutive month period.

Compliance with the above emission limit shall be determined using a Department approved method.

Additional authority for this permit condition is also derived from plan approvals 23-312-194 and PA-23-0001F and Title V permit 23-00001.

Throughput Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall store only VOCs with a vapor pressure less than 11 psia, under actual storage conditions, as stated in 25 Pa. Code § 129.56(g).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Tank throughput and type shall be monitored monthly.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Tank throughput and type of product shall be recorded monthly for use in demonstrating compliance with the emission limits.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 193 Source Name: TANK 612 INT FLOAT 103.4 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS

PROC 193 → STAC Z193

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following tanks shall store VOLs with a vapor pressure of 11 psia or less, except Source 203 (tank 12, fixed roof tank), which must store VOLs with a vapor pressure of 1.5 psia or less. The use of the following tanks shall not result in aggregate VOC emissions in any 12 consecutive month period exceeding 40.4 tons.

Source No.	Tank No.
203	12
204	253
173	455
212	610
193	612
194	613
213	614
214	615
215	616
223	634
224	635
225	638

Compliance with the above emission limit shall be determined using a Department approved method.

Note. A previous tank group limit of 47.13 tpy had included these tanks. 6.73 tons of emissions stayed with the former Sunoco Marcus Hook Refinery, permit number 23-00001.

Additional authority for this permit condition is also derived from plan approval, numbers 23-312-198, 23-312-198A, PA-23-0001G, and PA-23-0001J and Title V permit 23-00001.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored on a monthly basis:

(a) type and amount of material stored;
(b) actual vapor pressure of the material stored;
(c) records of annual inspections; and
(d) records of any required seal gap measurements.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The following records shall be recorded on a monthly basis:

(a) 12 consecutive month emission sums;
(b) records of all emission calculations;
(c) type and amount of material stored;
(d) actual vapor pressure of the material stored;
(e) records of any required annual inspections; and
(f) records of any required seal gap measurements.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 194 Source Name: TANK 613 INT FLOAT 14.2 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS

PROC 194 → STAC Z194

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following tanks shall store VOLs with a vapor pressure of 11 psia or less, except Source 203 (tank 12, fixed roof tank), which must store VOLs with a vapor pressure of 1.5 psia or less. The use of the following tanks shall not result in aggregate VOC emissions in any 12 consecutive month period exceeding 40.4 tons.

Source No.	Tank No.
203	12
204	253
173	455
212	610
193	612
194	613
213	614
214	615
215	616
223	634
224	635
225	638

Compliance with the above emission limit shall be determined using a Department approved method.

Note. A previous tank group limit of 47.13 tpy had included these tanks. 6.73 tons of emissions stayed with the former Sunoco Marcus Hook Refinery, permit number 23-00001.

Additional authority for this permit condition is also derived from plan approval, numbers 23-312-198, 23-312-198A, PA-23-0001G, and PA-23-0001J and Title V permit 23-00001.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored on a monthly basis:

(a) type and amount of material stored;
(b) actual vapor pressure of the material stored;
(c) records of annual inspections; and
(d) records of any required seal gap measurements.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The following records shall be recorded on a monthly basis:

(a) 12 consecutive month emission sums;
(b) records of all emission calculations;
(c) type and amount of material stored;
(d) actual vapor pressure of the material stored;
(e) records of any required annual inspections; and
(f) records of any required seal gap measurements.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

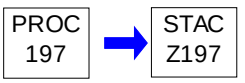
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 197 Source Name: TANK 618 INT FLOAT 14.6 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions from this heated tank shall not exceed 1260 lbs (0.63 tons) in any 12 consecutive month period.

Compliance with the above emission limit shall be determined using a Department approved method.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor throughput monthly.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall be calculated monthly and on a 12 consecutive month basis to demonstrate compliance with the 12 consecutive month VOC limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

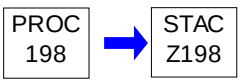
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 198 Source Name: TANK 619 INT FLOAT 14.2 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Aggregate VOC emissions, including emissions from heated tanks, from this source and sources 172, 188, 192, and 221 shall not exceed 7.5 tons in any 12 consecutive month period.

Compliance with the above emission limit shall be determined using a Department approved method.

Additional authority for this permit condition is also derived from plan approvals 23-312-194 and PA-23-0001F and Title V permit 23-00001.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The total benzene emissions from this tank shall not exceed 1.10 tons in any 12 consecutive month period.

Compliance with the above emission limit shall be determined using a Department approved method.

Additional authority for this permit condition is also derived from plan approvals 23-312-194 and PA-23-0001F and Title V permit 23-00001.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Tank throughput and type shall be monitored monthly.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Tank throughput and type of product shall be recorded monthly for use in demonstrating compliance with the emission limits.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

SECTION D. Source Level Requirements

Operating permit terms and conditions.

This storage tank shall store benzene exclusively, unless approved by the Department.

VII. ADDITIONAL REQUIREMENTS.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

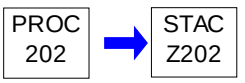
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 202 Source Name: TANK 3 INT FLOAT 41.0 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 203 Source Name: TANK 12 FIXED ROOF 54 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS

PROC 203 → STAC Z203

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following tanks shall store VOLs with a vapor pressure of 11 psia or less, except Source 203 (tank 12, fixed roof tank), which must store VOLs with a vapor pressure of 1.5 psia or less. The use of the following tanks shall not result in aggregate VOC emissions in any 12 consecutive month period exceeding 40.4 tons.

Source No.	Tank No.
203	12
204	253
173	455
212	610
193	612
194	613
213	614
214	615
215	616
223	634
224	635
225	638

Compliance with the above emission limit shall be determined using a Department approved method.

Note. A previous tank group limit of 47.13 tpy had included these tanks. 6.73 tons of emissions stayed with the former Sunoco Marcus Hook Refinery, permit number 23-00001.

Additional authority for this permit condition is also derived from plan approval, numbers 23-312-198, 23-312-198A, PA-23-0001G, and PA-23-0001J and Title V permit 23-00001.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored on a monthly basis:

(a) type and amount of material stored;
(b) actual vapor pressure of the material stored;
(c) records of annual inspections; and
(d) records of any required seal gap measurements.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The following records shall be recorded on a monthly basis:

(a) 12 consecutive month emission sums;
(b) records of all emission calculations;
(c) type and amount of material stored;
(d) actual vapor pressure of the material stored;
(e) records of any required annual inspections; and
(f) records of any required seal gap measurements.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 204 Source Name: TANK 253 INT FLOAT 90.5 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS

PROC 204 → STAC Z204

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following tanks shall store VOLs with a vapor pressure of 11 psia or less, except Source 203 (tank 12, fixed roof tank), which must store VOLs with a vapor pressure of 1.5 psia or less. The use of the following tanks shall not result in aggregate VOC emissions in any 12 consecutive month period exceeding 40.4 tons.

Source No.	Tank No.
203	12
204	253
173	455
212	610
193	612
194	613
213	614
214	615
215	616
223	634
224	635
225	638

Compliance with the above emission limit shall be determined using a Department approved method.

Note. A previous tank group limit of 47.13 tpy had included these tanks. 6.73 tons of emissions stayed with the former Sunoco Marcus Hook Refinery, permit number 23-00001.

Additional authority for this permit condition is also derived from plan approval, numbers 23-312-198, 23-312-198A, PA-23-0001G, and PA-23-0001J and Title V permit 23-00001.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored on a monthly basis:

(a) type and amount of material stored;
(b) actual vapor pressure of the material stored;
(c) records of annual inspections; and
(d) records of any required seal gap measurements.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The following records shall be recorded on a monthly basis:

(a) 12 consecutive month emission sums;
(b) records of all emission calculations;
(c) type and amount of material stored;
(d) actual vapor pressure of the material stored;
(e) records of any required annual inspections; and
(f) records of any required seal gap measurements.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 210 Source Name: TANK 443 INT FLOAT 20.0 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS

PROC 210 → STAC Z210

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions from this tank, aggregated with those emissions from Sources 301, and 211, shall not exceed 2.5 tons in any 12 consecutive month period.

Additional authority for this permit condition is also derived from plan approvals 23-213-044D and PA-23-0001H.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored monthly:

(a) product type and throughput; and
(b) product vapor pressure.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall be calculated monthly and on a 12 consecutive month basis to demonstrate compliance with the VOC limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 211 Source Name: TANK 467 INT FLOAT 32.5 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS

PROC 211 → STAC Z211

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions from this tank, aggregated with those emissions from Sources 210, and 301, shall not exceed 2.5 tons in any 12 consecutive month period.

Additional authority for this permit condition is also derived from plan approvals 23-213-044D and PA-23-0001H.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored monthly:

(a) product type and throughput; and
(b) product vapor pressure.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall be calculated monthly and on a 12 consecutive month basis to demonstrate compliance with the VOC limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 212 Source Name: TANK 610 INT FLOAT 96.0 MBBL

Source Capacity/Throughput: N/A PETROL LIQUIDS

PROC 212 → STAC Z212

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following tanks shall store VOLs with a vapor pressure of 11 psia or less, except Source 203 (tank 12, fixed roof tank), which must store VOLs with a vapor pressure of 1.5 psia or less. The use of the following tanks shall not result in aggregate VOC emissions in any 12 consecutive month period exceeding 40.4 tons.

Source No.	Tank No.
203	12
204	253
173	455
212	610
193	612
194	613
213	614
214	615
215	616
223	634
224	635
225	638

Compliance with the above emission limit shall be determined using a Department approved method.

Note. A previous tank group limit of 47.13 tpy had included these tanks. 6.73 tons of emissions stayed with the former Sunoco Marcus Hook Refinery, permit number 23-00001.

Additional authority for this permit condition is also derived from plan approval, numbers 23-312-198, 23-312-198A, PA-23-0001G, and PA-23-0001J and Title V permit 23-00001.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored on a monthly basis:

(a) type and amount of material stored;
(b) actual vapor pressure of the material stored;
(c) records of annual inspections; and
(d) records of any required seal gap measurements.

SECTION D. Source Level Requirements

 # 003 [25 Pa. Code §129.56]
Storage tanks greater than 40,000 gallons capacity containing VOCs

The permittee of a petroleum liquid storage vessel with a floating roof subject to this regulation shall:

(a) Perform routine inspections annually in order to insure compliance with 25 Pa. Code § 129.56(b) or (c). The inspection shall include a visual inspection of the secondary seal gap when inspecting external floating roof tanks.
(b) For external floating roof tanks, measure the secondary seal gap annually in accordance with 25 Pa. Code § 129.56(b)(1)(iii) when the floating roof is equipped with a vapor mounted primary seal.
(c) Maintain records of the types and quantities of volatile petroleum liquids stored, the maximum true vapor pressure of the liquid as stored, and the results of the inspections performed in 25 Pa. Code § 129.56(f)(1) and (2).

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The following records shall be recorded on a monthly basis:

(a) 12 consecutive month emission sums;
(b) records of all emission calculations;
(c) type and amount of material stored;
(d) actual vapor pressure of the material stored;
(e) records of any required annual inspections; and
(f) records of any required seal gap measurements.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §129.56]
Storage tanks greater than 40,000 gallons capacity containing VOCs

An internal floating roof must be fitted with a primary seal and must comply with the following equipment requirements:

(a) a closure seal, or seals, to close the space between the roof edge and tank wall is used;
(b) there are no holes, tears, or other openings in the seal or any seal fabric or materials; and
(c) openings except stub drains are equipped with covers, lids or seals such that:
(1) the cover, lid or seal is in the closed position at all times except when in actual use;
(2) automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports; and
(3) rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the recommended setting of the manufacturer.

VII. ADDITIONAL REQUIREMENTS.

 # 006 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 213 Source Name: TANK 614 INT FLOAT 13.2 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS

PROC 213 → STAC Y213

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following tanks shall store VOLs with a vapor pressure of 11 psia or less, except Source 203 (tank 12, fixed roof tank), which must store VOLs with a vapor pressure of 1.5 psia or less. The use of the following tanks shall not result in aggregate VOC emissions in any 12 consecutive month period exceeding 40.4 tons.

Source No.	Tank No.
203	12
204	253
173	455
212	610
193	612
194	613
213	614
214	615
215	616
223	634
224	635
225	638

Compliance with the above emission limit shall be determined using a Department approved method.

Note. A previous tank group limit of 47.13 tpy had included these tanks. 6.73 tons of emissions stayed with the former Sunoco Marcus Hook Refinery, permit number 23-00001.

Additional authority for this permit condition is also derived from plan approval, numbers 23-312-198, 23-312-198A, PA-23-0001G, and PA-23-0001J and Title V permit 23-00001.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored on a monthly basis:

(a) type and amount of material stored;
(b) actual vapor pressure of the material stored;
(c) records of annual inspections; and
(d) records of any required seal gap measurements.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The following records shall be recorded on a monthly basis:

(a) 12 consecutive month emission sums;
(b) records of all emission calculations;
(c) type and amount of material stored;
(d) actual vapor pressure of the material stored;
(e) records of any required annual inspections; and
(f) records of any required seal gap measurements.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 214 Source Name: TANK 615 INT FLOAT 14.4 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS

PROC 214 → STAC Y214

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following tanks shall store VOLs with a vapor pressure of 11 psia or less, except Source 203 (tank 12, fixed roof tank), which must store VOLs with a vapor pressure of 1.5 psia or less. The use of the following tanks shall not result in aggregate VOC emissions in any 12 consecutive month period exceeding 40.4 tons.

Source No.	Tank No.
203	12
204	253
173	455
212	610
193	612
194	613
213	614
214	615
215	616
223	634
224	635
225	638

Compliance with the above emission limit shall be determined using a Department approved method.

Note. A previous tank group limit of 47.13 tpy had included these tanks. 6.73 tons of emissions stayed with the former Sunoco Marcus Hook Refinery, permit number 23-00001.

Additional authority for this permit condition is also derived from plan approval, numbers 23-312-198, 23-312-198A, PA-23-0001G, and PA-23-0001J and Title V permit 23-00001.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored on a monthly basis:

(a) type and amount of material stored;
(b) actual vapor pressure of the material stored;
(c) records of annual inspections; and
(d) records of any required seal gap measurements.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The following records shall be recorded on a monthly basis:

(a) 12 consecutive month emission sums;
(b) records of all emission calculations;
(c) type and amount of material stored;
(d) actual vapor pressure of the material stored;
(e) records of any required annual inspections; and
(f) records of any required seal gap measurements.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 215 Source Name: TANK 616 INT FLOAT 14.5 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS

PROC 215 → STAC Y215

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following tanks shall store VOLs with a vapor pressure of 11 psia or less, except Source 203 (tank 12, fixed roof tank), which must store VOLs with a vapor pressure of 1.5 psia or less. The use of the following tanks shall not result in aggregate VOC emissions in any 12 consecutive month period exceeding 40.4 tons.

Source No.	Tank No.
203	12
204	253
173	455
212	610
193	612
194	613
213	614
214	615
215	616
223	634
224	635
225	638

Compliance with the above emission limit shall be determined using a Department approved method.

Note. A previous tank group limit of 47.13 tpy had included these tanks. 6.73 tons of emissions stayed with the former Sunoco Marcus Hook Refinery, permit number 23-00001.

Additional authority for this permit condition is also derived from plan approval, numbers 23-312-198, 23-312-198A, PA-23-0001G, and PA-23-0001J and Title V permit 23-00001.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored on a monthly basis:

(a) type and amount of material stored;
(b) actual vapor pressure of the material stored;
(c) records of annual inspections; and
(d) records of any required seal gap measurements.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The following records shall be recorded on a monthly basis:

(a) 12 consecutive month emission sums;
(b) records of all emission calculations;
(c) type and amount of material stored;
(d) actual vapor pressure of the material stored;
(e) records of any required annual inspections; and
(f) records of any required seal gap measurements.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 216 Source Name: TANK 617 INT FLOAT 14.4 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS

PROC 216 → STAC Y216

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions from this individually heated tank shall not exceed 1960 lbs (0.98 tons) in any 12 consecutive month period

Compliance with the above emission limit shall be determined using a Department approved method.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Throughput and type shall be monitored monthly.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall be calculated and on a 12 consecutive month basis, to demonstrate compliance with the 12 consecutive month VOC limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

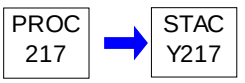
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 217 Source Name: TANK 620 INT FLOAT 12.5 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions from this individually heated tank shall not exceed 2560 lbs (1.28 tons) in any 12 consecutive month period.

Compliance with the above emission limit shall be determined using a Department approved method.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Throughput amount and type shall be monitored monthly.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall be calculated on a monthly and on a 12 consecutive month basis, to demonstrate compliance with the VOC limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

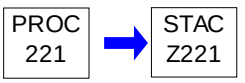
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 221 Source Name: TANK 23 INT FLOAT 0.14 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Aggregate VOC emissions, including emissions from heated tanks, from this source and sources 172, 188, 192, and 198 shall not exceed 7.5 tons in any 12 consecutive month period.

Compliance with the above emission limit shall be determined using a Department approved method.

Additional authority for this permit condition is also derived from plan approvals 23-312-194 and PA-23-0001F and Title V permit 23-00001.

Throughput Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall store only VOCs with a vapor pressure less than 11 psia, under actual storage conditions, as stated in 25 Pa. Code § 129.56(g).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Tank throughput and type shall be monitored monthly.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall be recorded monthly and on a 12 consecutive month basis, to demonstrate compliance with the emission limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 223 Source Name: TANK 634 INT FLOAT 11.83 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS

PROC 223 → STAC Z223

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following tanks shall store VOLs with a vapor pressure of 11 psia or less, except Source 203 (tank 12, fixed roof tank), which must store VOLs with a vapor pressure of 1.5 psia or less. The use of the following tanks shall not result in aggregate VOC emissions in any 12 consecutive month period exceeding 40.4 tons.

Source No.	Tank No.
203	12
204	253
173	455
212	610
193	612
194	613
213	614
214	615
215	616
223	634
224	635
225	638

Compliance with the above emission limit shall be determined using a Department approved method.

Note. A previous tank group limit of 47.13 tpy had included these tanks. 6.73 tons of emissions stayed with the former Sunoco Marcus Hook Refinery, permit number 23-00001.

Additional authority for this permit condition is also derived from plan approval, numbers 23-312-198, 23-312-198A, PA-23-0001G, and PA-23-0001J and Title V permit 23-00001.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored on a monthly basis:

(a) type and amount of material stored;
(b) actual vapor pressure of the material stored;
(c) records of annual inspections; and
(d) records of any required seal gap measurements.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The following records shall be recorded on a monthly basis:

(a) 12 consecutive month emission sums;
(b) records of all emission calculations;
(c) type and amount of material stored;
(d) actual vapor pressure of the material stored;
(e) records of any required annual inspections; and
(f) records of any required seal gap measurements.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 224 Source Name: TANK 635 INT FLOAT 11.92 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS

PROC 224 → STAC Z224

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following tanks shall store VOLs with a vapor pressure of 11 psia or less, except Source 203 (tank 12, fixed roof tank), which must store VOLs with a vapor pressure of 1.5 psia or less. The use of the following tanks shall not result in aggregate VOC emissions in any 12 consecutive month period exceeding 40.4 tons.

Source No.	Tank No.
203	12
204	253
173	455
212	610
193	612
194	613
213	614
214	615
215	616
223	634
224	635
225	638

Compliance with the above emission limit shall be determined using a Department approved method.

Note. A previous tank group limit of 47.13 tpy had included these tanks. 6.73 tons of emissions stayed with the former Sunoco Marcus Hook Refinery, permit number 23-00001.

Additional authority for this permit condition is also derived from plan approval, numbers 23-312-198, 23-312-198A, PA-23-0001G, and PA-23-0001J and Title V permit 23-00001.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored on a monthly basis:

(a) type and amount of material stored;
(b) actual vapor pressure of the material stored;
(c) records of annual inspections; and
(d) records of any required seal gap measurements.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The following records shall be recorded on a monthly basis:

(a) 12 consecutive month emission sums;
(b) records of all emission calculations;
(c) type and amount of material stored;
(d) actual vapor pressure of the material stored;
(e) records of any required annual inspections; and
(f) records of any required seal gap measurements.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 225 Source Name: TANK 638 INT FLOAT 61.13 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS

PROC 225 → STAC Z225

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following tanks shall store VOLs with a vapor pressure of 11 psia or less, except Source 203 (tank 12, fixed roof tank), which must store VOLs with a vapor pressure of 1.5 psia or less. The use of the following tanks shall not result in aggregate VOC emissions in any 12 consecutive month period exceeding 40.4 tons:

Source No.	Tank No.
203	12
204	253
173	455
212	610
193	612
194	613
213	614
214	615
215	616
223	634
224	635
225	638

Compliance with the above emission limit shall be determined using a Department approved method.

Note. A previous tank group limit of 47.13 tpy had included these tanks. 6.73 tons of emissions stayed with the former Sunoco Marcus Hook Refinery, permit number 23-00001.

Additional authority for this permit condition is also derived from plan approval, numbers 23-312-198, 23-312-198A, PA-23-0001G, and PA-23-0001J and Title V permit 23-00001.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored on a monthly basis:

(a) type and amount of material stored;
(b) actual vapor pressure of the material stored;
(c) records of annual inspections; and
(d) records of any required seal gap measurements.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The following records shall be recorded on a monthly basis:

(a) 12 consecutive month emission sums;
(b) records of all emission calculations;
(c) type and amount of material stored;
(d) actual vapor pressure of the material stored;
(e) records of any required annual inspections; and
(f) records of any required seal gap measurements.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

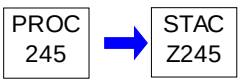
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 245 Source Name: TANK 245 FIXED ROOF 45 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

Control Device Efficiencies Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only store volatile organic liquids having a vapor pressure less than 5.2 kPa in this storage tank.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 129.56.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the throughput amount, type, and vapor pressure of the volatile organic liquids stored in this tank each month.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 300 Source Name: MISC TANKS

Source Capacity/Throughput: N/A PETROL LIQUIDS

PROC 300 → STAC Z300

I. RESTRICTIONS.

Control Device Efficiencies Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.56 and 127.57.]

These fixed roof tanks shall not store any VOCs having a vapor pressure greater than 1.5 psia.

Additionally, these tanks storing VOC containing materials that are less than or equal to 40,000 gallons in capacity shall have pressure relief valves that are maintained in good operating condition and are set to release at no less than 0.7 psig of pressure or 0.3 psig of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association or other national consensus standards acceptable to the Department.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 002 [25 Pa. Code §127.503]

Application information.

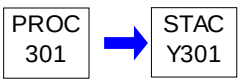
This source consists of the following individual storage tanks: 5, 7, 8, 10, 11, 18, 20, 25, 97, 133, 200, 201, 202, 203, 204, 205, 207, 209, 213, 247, 265, 338, 339, 343, 347, 348, 349, 592, 631, 632, 861, 863, 870, 872, 880, 896, HS-16, V-13, and V-29.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 301 Source Name: TANK 491 INT FLOAT 50.2 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions from this tank, aggregated with those emissions from Sources 210, and 211, shall not exceed 2.5 tons in any 12 consecutive month period.

Additional authority for this permit condition is also derived from plan approvals 23-213-044D and PA-23-0001H.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be monitored monthly:

(a) product type and throughput; and
(b) product vapor pressure.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall be calculated monthly and on a 12 consecutive month basis to demonstrate compliance with the VOC limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

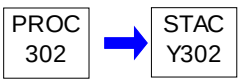
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 302 Source Name: TANK 2 INT FLOAT 59.5 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

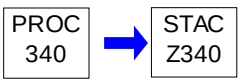
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 340 Source Name: TANK 340 FIXED ROOF 198.8 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

Control Device Efficiencies Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only store volatile organic liquids having a vapor pressure less than 5.2 kPa in this storage tank.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 129.56.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount, type, and vapor pressure of the volatile organic liquids stored in this tank each month.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

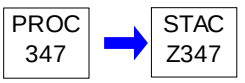
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 347 Source Name: TANK 347 FIXED ROOF 190 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

Control Device Efficiencies Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only store volatile organic liquids having a vapor pressure less than 5.2 kPa in this storage tank.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 129.56.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount, type, and vapor pressure of the volatile organic liquids stored in this tank each month.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

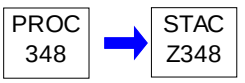
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 348 Source Name: TANK 348 FIXED ROOF 190 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

Control Device Efficiencies Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only store volatile organic liquids having a vapor pressure less than 5.2 kPa in this storage tank.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 129.56.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount, type, and vapor pressure of the volatile organic liquids stored in this tank each month.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

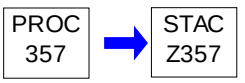
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 357 Source Name: TANK 357 INT FLOAT 182.9 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The VOC emissions, aggregated from Sources 357 and 358, shall not exceed 4.48 tons in any 12 consecutive month period.

Additional authority for this permit condition is also derived from plan approval PA-23-0001H.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Throughput amount and type shall be monitored monthly.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall be calculated monthly and on a 12 consecutive month period to demonstrate compliance with the VOC emission limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

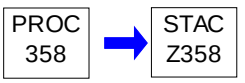
The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 358 Source Name: TANK 358 INT FLOAT 182.9 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The VOCemissions, aggregated from Sources 357 and 358, shall not exceed 4.48 tons in any 12 consecutive month period.

Additional authority for this permit condition is also derived from plan approval PA-23-0001H.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Throughput type and amount shall be monitored monthly.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall be calculated monthly and on a 12 consecutive month basis to demonstrate compliance with the VOC emission limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T002 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 367 Source Name: DIESEL STORAGE TANK

Source Capacity/Throughput:

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984

Reporting and recordkeeping requirements.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall retain records of the date and amount of diesel delivered to this tank each month.

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984

Monitoring of operations.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.]

The permittee shall retain a record of the dimensions and capacity of this tank for its entire life.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 368 Source Name: VEHICLE REFUELING (GAS/DIESEL)

Source Capacity/Throughput:

PROC 368 → STAC Z368

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §129.82]

Control of VOCs from gasoline dispensing facilities (Stage II)

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.82(b).]

The permittee shall maintain records of monthly throughput, type and duration of any failures of the system and maintenance and repair records. The records shall be kept for at least five (5) years and shall be made available for inspection by the Department upon request.

Control Device Efficiencies Restriction(s).

 # 002 [25 Pa. Code §129.82]

Control of VOCs from gasoline dispensing facilities (Stage II)

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.82(a).]

The permittee may not transfer or allow the transfer of gasoline into a motor vehicle fuel tank unless the dispensing facility is equipped with a Department approved and properly operating Stage II vapor recovery or vapor collection system. This vapor collection system shall be capable of collecting at least 90% by weight, of the gasoline vapors that are displaced or drawn from a vehicle fuel tank during refueling and the captured vapors are returned to a vapor tight holding system or vapor conrol system.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 003 [25 Pa. Code §129.61]

Small gasoline storage tank control (Stage 1 control)

The permittee shall ensure that the gasoline storage tank is equipped with a submerged fill pipe which extends from the filling orifice to within six (6) inches of the bottom of the tank.

SECTION D. Source Level Requirements

 # 004 [25 Pa. Code §129.82]
Control of VOCs from gasoline dispensing facilities (Stage II)

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.82(e).]

The permittee shall comply with the functional testing and certification requirements specified in EPA's Stage II Enforcement and Technical Guidance Documents developed under Section 182 of the Clean Air Act to meet the Clean Air Act requirements.

 # 005 [25 Pa. Code §129.82]
Control of VOCs from gasoline dispensing facilities (Stage II)

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.82(b).]

The permittee shall:

(a) operate and maintain the Stage II vapor collection and control systems, provide necessary maintenance, and make modifications necessary to comply with the requirements.
(b) provide adequate training and written instructions to the operator of the affected gasoline dispensing facility to assure proper operation of the system.
(c) immediately remove from service and tag any defective nozzle or dispensing system until the defective component is replaced or repaired. A component removed from service may not be returned to service until the defect is corrected. If the Department finds that a defective nozzle or dispensing system is not properly tagged during an inspection, the component may not be returned to service until the defect is corrected, and the Department approves its return to service.
(d) conspicuously post operating instructions for the system in the gasoline dispensing area which, at a minimum, include;
(1) a clear description of how to correctly dispense gasoline with the vapor recovery nozzles utilized at the site.
(2) a warning that continued attempts to dispense gasoline after the system indicates that the vehicle fuel tank is full may result in spillage or recirculation of the gasoline into the vapor collection system.
(3) a telephone number established by the Department to report problems experienced with the system.

VII. ADDITIONAL REQUIREMENTS.

 # 006 [25 Pa. Code §127.503]
Application information.

This source consists of two individual storage tanks, as listed below that are used to fuel the facility vehicles:

- Above ground fixed roof storage tank number 368, stores gasoline and has a capacity of 12,000 gallons. This tank is operated under Stage II collection and control systems.

- Above ground fixed roof storage tank number 367, stores diesel fuel and has a capacity of 10,000 gallons. This tank is subject to the NSPS requirements of 40 CFR 60, Subpart Kb.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 402 Source Name: BLIND CHANGING

Source Capacity/Throughput: N/A PETROL. LIQUIDS

PROC 402 → STAC Y402

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

When opening process lines for the purpose of blinding, the permittee shall depressurize and evacuate the line from both ends prior to opening the system to be worked on. While the blind is in place, the permittee shall continue to adhere to the applicable LDAR requirements.

All emissions occurring from blind changing shall be included in the emission reports from the facility.

VII. ADDITIONAL REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

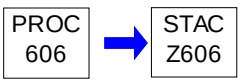
The applicable requirements for this source can be found in Source 801 (Fugitive Equipment).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 606 Source Name: TANK 244 FIX ROOF 68.4 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

Control Device Efficiencies Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only store volatile organic liquids having a vapor pressure less than 5.2 kPa in this storage tank.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 129.56.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount, type, and vapor pressure of the volatile organic liquids stored in this tank each month.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

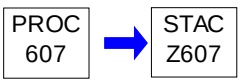
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 607 Source Name: TANK 243 FIX ROOF 54.4 MBBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

Control Device Efficiencies Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only store volatile organic liquids having a vapor pressure less than 5.2 kPa in this storage tank.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 129.56.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount, type, and vapor pressure of the volatile organic liquids stored in this tank each month.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 701 Source Name: WASTEWATER TREATMENT SYSTEM

Source Capacity/Throughput: N/A PETROL. LIQUIDS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Compliance with this condition assures compliance with 40 CFR 52.2020(d)(1) and 66 FR 54699 (10/30/01).]

The permittee shall limit the total VOC and Benzene emissions from the following sources to 0.21 lbs/hour, 0.9 tons/year, and 0.002 lbs/hour, 0.01 tons/year, respectively. The TPY limits are based on any 12 consecutive month periods.

(a) conveyance channel, controlled by sealed piping;
(b) east process sump, vent to carbon canister;
(c) west process sump, vent to carbon canister;
(d) 15 plant separator, vent to carbon canister;
(e) DELCORA sump, vent to carbon canister;
(f) cleaning 15 Separator, controlled by the cleaning process;
(g) 2 process surge tanks, controlled with floating roof on each tank; and
(h) slop oil tank, controlled with internal floating roof.

Control Device Efficiencies Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The vapor recovery systems (carbon adsorbers) shall be operated at all times to recover the emissions vented to them according to the following:

(a) VOCs - 95% or greater; and
(b) benzene - 98% or greater.

Compliance with the above limitations shall be demonstrated through engineering calculations or performance tests approved by the Department.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following sources for breakthrough on a daily basis using a Department approved analyzer for VOC emissions, which are located on the following carbon adsorbers:

(a) east process sump;
(b) west process sump; and
(c) 15 plant separator (DELCORA sump).

SECTION D. Source Level Requirements

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The concentration level of the organic compounds in the exhaust vent stream from the carbon adsorption system shall be monitored on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately (within 24 hours) when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20% of the design carbon replacement interval, whichever is greater. As an alternative to conducting this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon at a regular predetermined time interval that is less than the carbon replacement interval that is determined by the maximum design flow rate and the organic concentration in the gas stream vented to the carbon adsorption system.

 # 005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Each fixed-roof, seal, access door, and all other openings shall be checked by visual inspection quarterly to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly.

 # 006 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Equipment shall be inspected as follows:

(a) Each drain using water seal controls shall be checked by visual or physical inspection quarterly for indications of low water levels or other conditions that would reduce the effectiveness of water seal controls.
(b) Each drain using a tightly sealed cap or plug shall be visually inspected quarterly to ensure caps or plugs are in place and properly installed.
(c) Each junction box shall be visually inspected quarterly to ensure that the cover is in place and to ensure that the cover has a tight seal around the edge.
(d) The unburied portion of each sewer line shall be visually inspected quarterly for indication of cracks, gaps, or other problems that could result in benzene emissions.
(e) When a broken seal or gasket or other problem is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but not later than fifteen (15) calendar days after identification.

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Wastewater treatment system:
(a) Each cover seal, access hatch, and all other openings shall be checked by visual inspection quarterly to ensure that no cracks or gaps occur between the cover and oil-water separator wall and that access hatches and other openings are closed and gasketed properly.
(b) When a broken seal or gasket or other problem is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but not later than fifteen (15) calendar days after identification.

 # 008 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) Each closed-vent system and control device shall be visually inspected quarterly. The visual inspection shall include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections.
(b) If visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, a first effort to repair the closed-vent system and control device shall be made as soon as practicable but no later than five (5) calendar days after detection. Repair shall be completed no later than fifteen (15) calendar days after the emissions are detected or the visible defect is observed.

 # 009 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall monitor the following to ensure the unit is properly operated and maintained by one of the following procedures:
(a) for a carbon adsorption system that does not regenerate the carbon bed directly on site in the control device (e.g., a carbon canister), either the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system shall be monitored on a regular schedule, and the existing carbon

SECTION D. Source Level Requirements

shall be replaced with fresh carbon immediately when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to conducting this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon at a regular predetermined time interval that is less than the carbon replacement interval that is determined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the carbon adsorption system.
(b) the permittee using a closed-vent system that contains any bypass line that could divert a vent stream from a control device shall do the following:
(1) Visually inspect the bypass line valve at least once every month, checking the position of the valve and the condition of the car-seal or closure mechanism to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line.
(2) Visually inspect the readings from each flow monitoring device at least once each operating day to check that vapors are being routed to the control device as required.

IV. RECORDKEEPING REQUIREMENTS.

 # 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall maintain monthly and 12 consecutive month records on the VOC emissions for this source.

 # 011 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) For individual drain systems, the location, date, and corrective action shall be recorded for each drain when the water seal is dry or otherwise breached, when a drain cap or plug is missing or improperly installed, or other problem is identified that could result in VOC emissions, as determined during the initial and periodic visual or physical inspection.
(b) For junction boxes, the location, date, and corrective action shall be recorded for inspections required when a broken seal, gap, or other problem is identified that could result in VOC emissions.
(c) For sewer lines, the location, date, and corrective action shall be recorded for inspections when a problem is identified that could result in VOC emissions.
(d) For closed vent systems and completely closed drain systems, the location, date, and corrective action shall be recorded for inspections required during which detectable emissions are measured or a problem is identified that could result in VOC emissions.

 # 012 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) All records shall be retained for a period of five (5) years after being recorded unless otherwise noted.
(b) For oil-water separators, the location, date, and corrective action shall be recorded for inspections when a problem is identified that could result in VOC emissions.
(c) Repairs.
(1) If an emission point cannot be repaired or corrected without a process unit shutdown, the expected date of a successful repair shall be recorded.
(2) The reason for the delay shall be recorded if an emission point or equipment problem is not repaired or corrected in the specified amount of time.
(3) The signature of the permittee (or designee) whose decision it was that repair could not be effected without facility or process shutdown shall be recorded.
(4) The date of successful repair or corrective action shall be recorded.

(d) Life Records.
(1) A copy of the design specifications for all equipment shall be kept for the life of the source in a readily accessible location.
(2) The following information pertaining to the design specifications shall be kept:
(i) detailed schematics, and piping and instrumentation diagrams; and
(ii) the dates and descriptions of any changes in the design specifications.

(3) The following information pertaining to the operation and maintenance of closed drain systems and closed vent systems shall be kept in a readily accessible location.

SECTION D. Source Level Requirements

(i) Documentation demonstrating that the control device will achieve the required control efficiency during maximum loading conditions shall be kept for the life of the facility. This documentation is to include a general description of the gas streams that enter the control device, including flow and VOC content under varying liquid level conditions (dynamic and static) and manufacturer's design specifications for the control device.

(ii) A description of the operating parameter (or parameters) to be monitored to ensure that the control device will be operated in conformance with these standards and the control device's design specifications and an explanation of the criteria used for selection of that parameter(s) shall be kept for the life of the facility.

(iii) The dates of each measurement of detectable emissions shall be recorded and kept for five (5) years after the information is recorded.

(iv) The background level measured during each detectable emissions measurement shall be recorded and kept for five (5) years after the information is recorded.

(v) The maximum instrument reading measured during each detectable emission measurement shall be recorded and kept for five (5) years after the information is recorded.

(vi) The permittee using a carbon adsorber shall maintain continuous records of the VOC concentration level or reading of organics of the control device outlet gas stream or inlet and outlet gas stream and records of all 3-hour periods of operation during which the average VOC concentration level or reading of organics in the exhaust gases, or inlet and outlet gas stream, is more than 20 percent greater than the design exhaust gas concentration level, and shall keep such records for five (5) years after the information is recorded. For carbon adsorbers not regenerated on-site, the permittee shall maintain records of the dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time that the existing carbon in the control device is replaced with fresh carbon.

(vii) Periods when the closed vent systems and control devices are not operated as designed, including periods when a flare pilot does not have a flame shall be recorded and kept for five (5) years after the information is recorded.

(viii) Dates of startup and shutdown of the closed vent system and control devices shall be recorded and kept for five (5) years after the information is recorded.

(ix) The design analysis for the non-regenerative carbon adsorption system shall have considered the vent stream composition, constituent concentration, flow rate, relative humidity, and temperature. The design analysis shall also establish the design exhaust vent stream organic compound concentration level, capacity of carbon bed, type and working capacity of activated carbon used for carbon bed, and design carbon replacement interval based on the total carbon working capacity of the control device and source operating schedule. This design analysis documentation shall be maintained for the life of the control device.

(4) Periods when the closed-vent system and control device are not operated as designed including all periods and the duration when:

(i) Any valve car-seal or closure mechanism is broken or the by-pass line valve position has changed; or

(ii) The flow monitoring devices indicate that vapors are not routed to the control device as required.

(5) If a carbon adsorber that is not regenerated directly on site in the control device is used, then the permittee shall maintain records of dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time then the existing carbon in the control device is replaced with fresh carbon.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) If the permittee elects to install a tightly sealed cap or plug over a drain that is out of active service, the permittee shall keep for the life of a facility in a readily accessible location, plans or specifications which indicate the location of such drains.

(b) For storm water sewer systems, the permittee shall keep for the life of the facility in a readily accessible location, plans or specifications which demonstrate that no wastewater from any process units or equipment is directly discharged to the storm water sewer system.

(c) For ancillary equipment, the permittee shall keep for the life of a facility in a readily accessible location, plans or specifications which demonstrate that the ancillary equipment does not come in contact with or store oily wastewater.

(d) For non-contact cooling water systems, the permittee shall keep for the life of the facility in a readily accessible location, plans or specifications which demonstrate that the cooling water does not contact hydrocarbons or oily wastewater and is not recirculated through a cooling tower.

(e) For oil-water separators, the location, date, and corrective action shall be recorded for inspections, and shall be maintained for the time period specified below:

SECTION D. Source Level Requirements

(1) for inspections on primary seal gaps, ten years after the information is recorded.
(2) for inspections on secondary seal gaps, two years after the information is recorded.

 # 014 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall maintain a record of each emission recording. The record shall include the following information: date the test was performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and the leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed.

For each treatment process and wastewater treatment system unit, the permittee shall maintain documentation that includes the following information regarding the unit shutdown:

(a) dates of startup and shutdown of the unit;
(b) date each test is performed and all test results;
(c) if a process parameter(s) is continuously monitored, the permittee shall maintain records that include a description of the operating parameter(s) to be maintained to ensure that the unit will be
operated in conformance with these standards and the unit's design specifications, and an explanation of the criteria used for selection of that parameter(s). This documentation shall be kept for the life of the unit; and
(d) periods when the unit is not operated as designed.

V. REPORTING REQUIREMENTS.

 # 015 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall submit copies of all reports, requests, applications, submittals, and other communication to both EPA and the Department.

 # 016 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) The permittee may elect to comply with alternative provisions for the individual drain systems and the oil-water separators as approved by the Department and shall notify the Department of the alternative standard selected in the report.
(b) The permittee shall submit to the Department semiannually a certification that all of the required inspections have been carried out in accordance with these standards.
(c) A report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken, shall be submitted semiannually to the Department.
(d) As applicable, a report shall be submitted semiannually to the Department that indicates each 3-hour period of operation during which the average VOC concentration level or reading of organics in the exhaust gases from a carbon adsorber is more than 20 percent greater than the design exhaust gas concentration level or reading.
(e) If compliance with the delay of repairs is delayed, the notification shall include the estimated date of the next scheduled shutdown after the date of notification and the reason why compliance with the standards is technically impossible without a shutdown.

VI. WORK PRACTICE REQUIREMENTS.

 # 017 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The individual drain systems shall be installed, checked or inspected, and operated in accordance with the above conditions.

Each oil-water separator tank shall be equipped and operated with the required control devices in compliance with the above conditions.

SECTION D. Source Level Requirements

 # 018 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall adhere to the manufacturer's recommended practices to ensure the process vapors transferred to the activated carbon absorbers meet the minimum control efficiency.

 # 019 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Compliance with this condition assures compliance with 40 CFR 52.2020(d)(1) and 66 FR 54699 (10/30/01).]

(a) The permittee shall operate the conveyance system in the following manner:
(1) the conveyance system shall be enclosed, and the wastewater from the separator shall be "hard piped" to enclosed sumps; and
(2) process vapors shall be collected in a closed system and transferred through gas holders to activated carbon absorbers that have an efficiency of at least 90% for VOCs.

(b) The permittee shall ensure that the sources listed below are equipped with the applicable control devices:
(1) conveyance channel, controlled by sealed piping;
(2) east process sump, vent to carbon canister;
(3) west process sump, vent to carbon canister;
(4) 15-Plant separator, vent to carbon canister;
(5) DELCORA sump, vent to carbon canister;
(6) cleaning 15-Separator, controlled by cleaning process;
(7) 2-Process surge tanks, controlled by floating roof on each tank; and
(8) slop oil tank, controlled by internal floating roof.

 # 020 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) This source shall be equipped and operated with a fixed roof, which meets the following specifications, except for individual drains systems or oil-water separators:
(1) the fixed roof shall be installed to completely cover the separator tank, slop oil tank, storage vessel, or other auxiliary equipment with no separation between the roof and the wall.
(2) the vapor space under a fixed roof shall not be purged unless the vapor is directed to a control device.
(3) if the roof has access doors or openings, such doors or openings shall be gasketed, latched, and kept closed at all times during operation of the separator system, except during inspection and maintenance.
(4) roof seals, access doors, and other openings shall be checked by visual inspection initially and semiannually thereafter to ensure that no cracks or gaps occur between the roof and wall and that access doors and other openings are closed and gasketed properly.
(5) when a broken seal or gasket or other problem is identified, first efforts at repair shall be made as soon as practicable, but not later than fifteen (15) calendar days after it is identified, except as for delays of repair.

(b) Each oil-water separator tank or auxiliary equipment with a design capacity to treat more than 16 liters per second (250 gpm) of wastewater shall, in addition to the requirements in paragraph (a) of this condition, be equipped and operated with a closed vent system and control device.
(c) Slop oil from an oil-water separator tank and oily wastewater from slop oil handling equipment shall be collected, stored, transported, recycled, reused, or disposed of in an enclosed system. Once slop oil is returned to the process unit or is disposed of, it is no longer within the scope of this subpart. Equipment used in handling slop oil shall be equipped with a fixed roof meeting the requirements of paragraph (a) of this section.
(d) Each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment not having junction boxes, may be equipped with a pressure control valve as necessary for proper system operation. The pressure control valve shall be set at the maximum pressure necessary for proper system operation, but such that the valve will not vent continuously.

 # 021 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Closed vent systems and control devices shall be operated at all times when emissions may be vented to them.
(a) Closed vent systems shall be designed and operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined during the initial and semiannual inspections.

SECTION D. Source Level Requirements

(b) Closed vent systems shall be purged to direct vapor to the control device.
(c) A flow indicator installed on a vent stream to a control device to shall be used ensure that the vapors are being routed to the device.
(d) All gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
(e) When emissions from a closed system are detected, first efforts at repair to eliminate the emissions shall be made as soon as practicable, but not later than thirty (30) calendar days from the date the emissions are detected, except when approved as a delay of repair.

 # 022 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The closed vent system and control device shall use EPA Method 21 to measure the emission concentrations, using 500 ppm as the no detectable emission limit. The instrument shall be calibrated each day before using. The calibration gases shall be:

(a) zero air (less than 10 ppm of hydrocarbon in air), and
(b) a mixture of either methane or n-hexane and air at a concentration of approximately, but less than, 10,000 ppm methane or n-hexane.

 # 023 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) The permittee shall manage and treat process wastewater to achieve a total annual benzene quantity from facility process wastewater less than 1 Mg/yr. Total annual benzene from facility process wastewater shall be determined by adding together the annual benzene quantity at the point of waste generation for each untreated process wastewater stream plus the annual benzene quantity exiting the treatment process for each process wastewater stream treated.
(b) Rather than treating the waste onsite, the permittee may transfer the waste offsite to another facility where the waste is treated in accordance with the applicable regulations. The permittee transferring the waste shall:
(1) comply with the applicable standards for each waste management unit that receives or manages the waste prior to shipment of the waste offsite; and
(2) include with each offsite waste shipment a notice stating that the waste contains benzene which is required to be managed and treated in accordance with the applicable regulations.

 # 024 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall meet the following standards for each tank handling waste liquids. The standards to tanks apply to the treatment of the waste stream in a tank, including dewatering.

The permittee shall operate and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.

(a) The fixed-roof tanks shall meet the following requirements:
(1) the cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined annually;
(2) each opening shall be maintained in a closed, sealed position at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance or repair; and
(3) if the cover and closed vent-system operate such that the tank is maintained at a pressure less that atmospheric pressure, then the above does not apply to any opening that meets each of the following:
(i) the purpose of the opening is to provide dilution air to reduce the explosion hazard;
(ii) the opening is designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined using EPA method 21: and
(iii) the pressure is monitored continuously to ensure that the pressure in the tank remains below atmospheric pressure.

 # 025 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) Each drain shall be equipped with water seal controls or a tightly sealed cap or plug.
(b) Each junction box shall be equipped with a cover and may have a vent pipe. The vent pipe shall be at least 90 cm (3 ft) in length and shall not exceed 10.2 cm (4 in) in diameter.

SECTION D. Source Level Requirements

(1) Junction box covers shall have a tight seal around the edge and shall be kept in place at all times, except during inspection and maintenance.
(2) One of the following methods shall be used to control emissions from the junction box vent pipe to the atmosphere:
(i) Equip the junction box with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation. An example of such a system includes use of water seal controls on the junction box. A flow indicator shall be installed, operated, and maintained on each junction box vent pipe to ensure that organic vapors are not vented from the junction box to the atmosphere during normal operation.
(ii) Connect the junction box vent pipe to a closed-vent system and control device.

(c) Each sewer line shall not be open to the atmosphere and shall be covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces.
(d) When a broken seal, gap, crack, or other problem is identified, first efforts at repair shall be made as soon as practicable, but not later than fifteen (15) calendar days after identification.

 # 026 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the individual drain system and/or oil-water separator to a control device.

(a) The fixed-roof shall meet the following requirements:
(1) The cover and all openings (e.g., access hatches, sampling ports, and gauge wells) shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined annually using EPA method 21.
(2) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that waste is in the drain system and/or oil-water separator except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair.
(3) If the cover and closed-vent system operate such that the drain system and/or oil-water separator is maintained at a pressure less than atmospheric pressure, then (a)(1)(i)(B), above, does not apply to any opening that meets all of the following conditions:
(i) The purpose of the opening is to provide dilution air to reduce the explosion hazard;
(ii) The opening is designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined annually using EPA Method 21; and
(iii) The pressure is monitored continuously to ensure that the pressure in the drain system and/or oil-water separator remains below atmospheric pressure.

(b) The closed-vent system and control device shall be operated and maintained in accordance with good air pollution control practices.

 # 027 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) For each closed-vent system and control device, the permittee shall properly operate and maintain the closed-vent system and control device in accordance with the following requirements:
(1) be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined annually using EPA Method 21; and
(2) vent systems that contain any bypass line that could divert the vent stream away from a control device shall install, maintain, and operate according to the manufacturer's specifications a flow indicator that provides a record of vent stream flow away from the control device at least once every fifteen (15) minutes, except as provided in (a)(2)(ii), below.
(i) The flow indicator shall be installed at the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere.
(ii) Where the bypass line valve is secured in the closed position with a car-seal or a lock-and-key type configuration, a flow indicator is not required.
(iii) All gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
(iv) For each closed-vent system complying with (a), above, one or more devices which vent directly to the atmosphere may be used on the closed-vent system provided each device remains in a closed, sealed position during normal operations except when the device needs to open to prevent physical damage or permanent deformation of the closed-vent system resulting from malfunction of the unit in accordance with good engineering and safety practices for handling

SECTION D. Source Level Requirements

flammable, explosive, or other hazardous materials.

(b) Each closed-vent system and control device shall be operated at all times when waste is placed in the waste management unit vented to the control device except when maintenance or repair of the waste management unit cannot be completed without a shutdown of the control device.

VII. ADDITIONAL REQUIREMENTS.

 # 028 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) Limitation on use of single carbon canister systems:
(1) Except as expressly provided in (a)(2) and (3), below, the permittee shall not use a single carbon canister system for any new or existing unit or installation that requires control;
(2) Temporary applications. The permittee may operate a properly sized single canister system to control benzene emissions from a short-term operation, such as a temporary storage tank. For any single canister system, benzene "breakthrough" shall be defined for the purposes of this condition as any benzene reading above background as measured at the outlet of the canister. The permittee shall monitor for breakthrough from a single carbon canister system at least once every 24 hours. The permittee shall replace any single carbon canister with a fresh carbon canister immediately after a benzene reading above background is detected at the outlet of the canister, unless the permittee chooses to discontinue flow to the carbon canister or route the stream to an alternative control device. For the purpose of this condition, "immediately" shall mean within 24 hours;
(3) Permanent Applications. The permittee may continue to operate a properly sized single canister system on those applications that existed prior to March 23, 2006 where data over the past five (5) years demonstrate that breakthrough has not occurred in less than six (6) months. The permittee shall monitor for "breakthrough" by monitoring for benzene on a biweekly basis at the outlet of the canister. "Breakthrough" shall be defined for the purpose of this condition as any reading equal to or greater than one (1) ppm benzene. The permittee shall replace any single carbon canister with a fresh carbon canister within twenty-four (24) hours after breakthrough is detected.

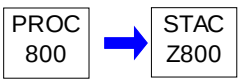
(b) Breakthrough Monitoring With Dual Canisters. On a daily basis or at intervals no greater than 20% of the design carbon replacement interval, the permittee shall monitor for breakthrough between the primary and secondary carbon canisters at times when there is actual flow to the carbon canister. The permittee shall monitor for "breakthrough" by monitoring for benzene. "Breakthrough" shall be defined for the purpose of this condition as any reading equal to or greater than 5 ppm benzene measured between the primary and secondary canister. In lieu of replacing the primary canister immediately, the permittee may elect to monitor the secondary canister the day breakthrough between the primary and secondary canister is identified and each calendar day thereafter. This daily monitoring shall continue until the primary canister is replaced. If either benzene or VOC is detected at the outlet of the secondary canister during this period of daily monitoring, the primary canister must be replaced within 24 hours. The original secondary carbon canister will become the new primary carbon canister and a fresh carbon canister will become the secondary canister.
(c) Canister Replacement With Dual Canister System. Except as otherwise provided in (b) above, immediately (within 24 hours) when breakthrough is detected, the permittee shall replace the original primary carbon canister with the secondary canister, and shall use a fresh canister as the new secondary canister.
(d) The permittee shall maintain a supply of fresh carbon canisters at all times.
(e) Records shall be maintained indicating the date and time of each carbon replacement.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 800 Source Name: NESHAP FUGITIVE EQUIPMENT

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall determine compliance with the emission leak standards as follows:

EPA Test Method 21 shall be used to determine the presence of leaking sources. All potential leak interfaces shall be traversed as close to the interface as possible. The arithmetic difference between the maximum concentration indicated by the instrument and the background level is compared with allowable ppm leak rate for determining compliance. The instrument shall be calibrated before use each day of its use by the procedures specified in Method 21. The following calibration gases shall be used:

(a) zero air (less than 10 ppm of hydrocarbon in air); and
(b) a mixture of methane or n-hexane and air at a concentration of about, but less than, 10,000 ppm methane or n-hexane.

III. MONITORING REQUIREMENTS.

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.424]
Subpart R -- National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) SOURCE: 59 FR 64318, Dec. 14, 1994, unless otherwise noted.
Standards

[Additional authority for this permit condition is also derived from 25 Pa. Code § 27.441.]

The permittee shall perform a monthly leak inspection of all equipment in gasoline service. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. Each piece of equipment shall be inspected during the loading of a gasoline cargo tank.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.424]
Subpart R -- National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) SOURCE: 59 FR 64318, Dec. 14, 1994, unless otherwise noted.
Standards

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

A log book shall be used and shall be signed at the completion of each inspection. A section of the log shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility.

Each detection of a liquid or vapor leak shall be recorded in the log book.

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.428]
Subpart R -- National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) SOURCE: 59 FR 64318, Dec. 14, 1994, unless otherwise noted.
Reporting and recordkeeping.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

SECTION D. Source Level Requirements

The permittee shall record the following information in the log book for each leak that is detected:

(a) the equipment type and identification number;
(b) the nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell);
(c) the date the leak was detected and the date of each attempt to repair the leak;
(d) repair methods applied in each attempt to repair the leak;
(e) "repair delayed" and the reason for the delay if the leak is not repaired within fifteen (15) calendar days after discovery of the leak;
(f) the expected date of successful repair of the leak if the leak is not repaired within fifteen (15) days; and
(g) the date of successful repair of the leak.

V. REPORTING REQUIREMENTS.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.428]
Subpart R -- National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) SOURCE: 59 FR 64318, Dec. 14, 1994, unless otherwise noted.
Reporting and recordkeeping.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall submit an excess emissions report to the Admiistrator and the Department in accordance with 40 CFR § 63.10(e)(3), whether or not a CMS is installed at the facility. The following occurrences are excess emissions events under this subpart, and the following information shall be included in the excess emissions report, as applicable:

(a) Each exceedance or failure to maintain, as appropriate, the monitored operating parameter value determined under 40 CFR § 63.425(b). The report shall include the monitoring data for the days on which exceedances or failures to maintain have occurred, and a description and timing of the steps taken to repair or perform maintenance on the vapor collection and processing systems or the CMS.
(b) Each instance of a nonvapor-tight gasoline cargo tank loading at the facility in which the permittee failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained.
(c) Each reloading of a nonvapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with 40 CFR § 63.422(c)(2).
(d) For each occurrence of an equipment leak for which no repair attempt was made within five (5) days or for which repair was not completed within fifteen (15) days after detection:
(1) the date on which the leak was detected;
(2) the date of each attempt to repair the leak;
(3) the reasons for the delay of repair; and
(4) the date of successful repair.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.428]
Subpart R -- National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) SOURCE: 59 FR 64318, Dec. 14, 1994, unless otherwise noted.
Reporting and recordkeeping.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall include in a semiannual report to the Administrator and the Department the number of equipment leaks not repaired within five (5) days after detection.

VI. WORK PRACTICE REQUIREMENTS.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.424]
Subpart R -- National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) SOURCE: 59 FR 64318, Dec. 14, 1994, unless otherwise noted.
Standards

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

SECTION D. Source Level Requirements

(a) When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than five (5) calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within fifteen (15) calendar days after detection of each leak, except as provided in (b), below.
(b) Delay of repair of leaking equipment will be allowed upon a demonstration to the Administrator that repair within fifteen (15) days is not feasible. The permittee shall provide the reason(s) a delay is needed and the date by which each repair is expected to be completed.
(c) Initial compliance shall be achieved by existing sources as expeditiously as practicable, but no later than December 15, 1997. For new sources, initial compliance shall be achieved upon startup.
(f) As an alternative to compliance with the monitoring and recordkeeping conditions for this source, the permittee may implement an instrument leak monitoring program that has been demonstrated to the Administrator as at least equivalent.
(g) The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
(1) minimize gasoline spills;
(2) clean up spills as expeditiously as practicable;
(3) cover all open gasoline containers with a gasketed seal when not in use;
(4) minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

VII. ADDITIONAL REQUIREMENTS.

 # 008 [25 Pa. Code §127.503]

Application information.

The following plant areas shall adhere to the above conditions for this source:

- 17 plant tank farm;
- 15-2B gas plant unit;
- Upper No. 1 tank area;
- Lower No. 1 tank area;
- Caverns #1, 2, 3, and 5;
- Docks 2 and 3; and
- Ship loading/unloading.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 801 Source Name: FUGITIVE EQUIPMENT

Source Capacity/Throughput: N/A PETROL. LIQUIDS

PROC 801 → STAC Z801

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall determine compliance with the emission leak standards as follows:

EPA Test Method 21 shall be used to determine the presence of leaking sources. All potential leak interfaces shall be traversed as close to the interface as possible. The arithmetic difference between the maximum concentration indicated by the instrument and the background level is compared with allowable ppm leak rate for determining compliance. The instrument shall be calibrated before use each day of its use by the procedures specified in Method 21. The following calibration gases shall be used:

(a) zero air (less than 10 ppm of hydrocarbon in air); and
(b) a mixture of methane or n-hexane and air at a concentration of about, but less than, 10,000 ppm methane or n-hexane.

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All accessible valves (including relief valves) shall be monitored at least once a calendar quarter by leak-checking for fugitive emissions using an approved gas analyzer and visually once each month. Seal less/leak less valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. For valves equipped with rupture discs, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

Monitoring shall be performed with an approved gas analyzer and shall conform to the requirements listed in EPA Method 21 of 40 CFR part 60, appendix A. The gas analyzer shall be calibrated with methane. If a mixture of compounds is being monitored, the response factor shall be calculated for the average composition of the process fluid. If a response factor less than ten (10) cannot be achieved using methane, then the instrument may be calibrated with one of the compounds being measured so long as the instrument has a response factor of less than ten (10) for each compound to be measured. Replacements for leaking components shall be re-monitored within fifteen (15) days of being placed back into service.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All pump and compressor seals shall be monitored visually once each month and at least once per calendar quarter with an approved gas analyzer or shall be equipped with a shaft sealing system that prevents or detects emissions from the seal. Seal systems designed and operated to prevent emissions, or seals equipped with automatic seal failure detection and alarm system need not be monitored. These seal systems may include, but are not limited to: dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or seal less pumps, including, but not limited to: diaphragm, canned, or magnetic-driven pumps may be used to satisfy the requirements of this condition and need not be monitored.

SECTION D. Source Level Requirements

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall use data loggers and/or other electronic data collection devices for all data collection during all LDAR monitoring. The permittee shall ensure that the responsible personnel transfer, on a daily basis, electronic data from electronic data logging devices to the electronic database. For each monitoring event in which an electronic data collection device is used, the collected monitoring data shall include an accurate time and date stamp, the monitoring reading, and identifying information on the operator and the instrument used to perform the monitoring.

The permittee may use paper logs where necessary or more feasible (e.g., small rounds, remonitoring, or when data loggers are not available or broken), and shall record, at a minimum, the identification of the technician undertaking the monitoring, the date, daily start and end times for the monitoring conducted, each monitoring reading, and the identification of the monitoring equipment. The permittee shall transfer any manually recorded monitoring data to the electronic database within seven (7) days of monitoring.

 # 005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall monitor for fugitive leaks as follows:

(a) dripping pump seals - within twenty-four (24) hours after dripping is observed;
(b) relief valves after lifting - within twenty-four (24) hours after it has vented;
(c) all leaking components that have been repaired - within seventy-two (72) hours; and
(d) connectors - weekly by visual means and at least once a quarter with an approved gas analyzer.

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The results of the fugitive instrument monitoring and maintenance program shall be made available to the Department upon request. Records shall be noted in the permittee's log or equivalent and shall indicate:

(a) dates leak was discovered;
(b) component identification and tag number;
(c) test methods;
(d) instrument readings;
(e) repair results and follow-up monitoring results;
(f) a record of the calibration of the monitoring instrument;
g) justification for delay of repairs (and emission estimates), if applicable; and
(h) corrective actions taken for all components, as well as follow-up results.

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Each calendar quarter, the VOC emissions shall be calculated based on the results from the LDAR monitoring. Records shall also be kept for each rolling 4 quarter total.

V. REPORTING REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Upon completion of each quarterly monitoring procedure, the permittee shall:

(a) submit a report to the Department by the last business day of January, April, July, and October that lists all leaking components that were located during the previous calendar quarter but not repaired within fifteen (15) days, the total number of components inspected and the total number of components found leaking;
(b) submit a signed statement with the report attesting to the fact that, with the exception of those leaking components listed in (a), above, monitoring and repairs were performed as stipulated in this plan approval; and
(c) include in the report required by (a), above, an aggregate estimate of the last four (4) quarters emissions based on the

SECTION D. Source Level Requirements

results from the last four (4) calendar quarters of monitoring data.

VI. WORK PRACTICE REQUIREMENTS.

 # 009 [25 Pa. Code §127.441]
Operating permit terms and conditions.

All piping, valves, relief valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.

 # 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.

All underground piping shall contain no buried valves.

 # 011 [25 Pa. Code §127.441]
Operating permit terms and conditions.

To the extent that good engineering practice will permit, valves and piping connections shall be so located to be accessible for leak-checking. Non-accessible valves, as approved by the Department, shall be identified, with the approved list maintained on site.

 # 012 [25 Pa. Code §127.441]
Operating permit terms and conditions.

All piping connections shall be welded or flanged, except that threaded connections are permissible on piping smaller than two-inch diameter. Gas or hydraulic testing of the piping connections at no less than operating pressure shall be performed prior to installation or returning the components to service, or they shall be monitored for leaks using an approved gas analyzer within 8 hours of the components being returned to service. Adjustments shall be made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve. Except during sampling, the second valve shall be closed. If the removal of a component for repair or replacement results in an open-ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for twenty-four (24) hours. If the repair or replacement is not completed within twenty-four (24) hours, a cap, blind flange, plug, or second valve must be installed.

 # 013 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Damaged or leaking valves or connectors found to be emitting compounds in excess of 500 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be date tagged with a weatherproof and readily visible identification number and date the leak was found. The tag shall remain in place until the component is replaced or repaired.

Damaged or leaking pump, compressor, and agitator seals found to be emitting compounds in excess of 2,000 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be date tagged with a weatherproof and readily visible identification number and date the leak was found. The tag shall remain in place until the component is replaced or repaired.

 # 014 [25 Pa. Code §127.441]
Operating permit terms and conditions.

When a leak is detected, it shall be repaired as soon as practical, but no later than fifteen (15) days after it is detected. A first attempt of repair shall be made no later than five (5) calendar days after the leak is detected. Following the repair or replacement, the part shall be monitored for leakage and the results recorded.

If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired

until a scheduled shutdown shall be identified for such repair by tagging. A listing of all components that qualify for delay of repair shall be maintained on a "delay of repair" list. The cumulative daily emissions from all components on the delay of repair list shall be estimated using EPA's Protocol for Equipment Leak Emission Estimates, EPA-453/R-95-107 and using the emission factors in Table 2-1, or other Department and EPA approved equivalent. When the cumulative daily emission rate of all components on the delay of repair list times the number of days until the next scheduled unit shutdown is equal to or exceeds the total emissions from a unit shutdown, the Department shall be notified and may require early unit shutdown, or other appropriate action based on the number and severity of tagged leaks awaiting shutdown.

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

After each pressure release:

(a) the pressure relief device shall be returned to a condition of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background (as measured in accordance with the testing condition for this source), as soon as practicable, but no later than twenty-four (24) hours after the pressure release; and
(b) if installed, a new rupture disk shall be installed upstream of the pressure relief device as soon as practicable, but no later than twenty-four (24) hours after each pressure release.

 # 016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system shall comply with the following:

(a) gases displaced during filling of the sample container are not required to be collected or captured;
(b) containers that are part of a closed-purge system must be covered or closed when not being filled or emptied;
(c) gases remaining in the tubing or piping between the closed-purge system valve(s) and sample container valve(s) after the valves are closed and the sample container is disconnected are not required to be collected or captured; and
(d) each closed-purge, closed-loop, or closed-vent system shall be designed and operated to meet requirements below:
(1) return the purged process fluid directly to the process line;
(2) collect and recycle the purged process fluid to a process;
(3) capture and transport all the purged process fluid to a control device; or
(4) collect, store, and transport the purged process fluid to a facilities permitted to handle these items.

 # 017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall develop a leak monitoring and record keeping system for the LDAR components that contains, at a minimum, the following:

(a) tag identification number of component;
(b) component type;
(c) location;
(d) fluid type;
(e) date on which the component was initially monitored;
(f) first attempt of repair date and instrument reading;
(g) date of repair and instrument reading;
(h) date and instrument reading of the recheck procedure after a leaking component was repaired;
(i) leaks that cannot be repaired until shut down;
(j) record of the calibration of the monitoring instrument;
(k) identification of the monitoring personnel; and
(l) component monitoring history.

VII. ADDITIONAL REQUIREMENTS.

 # 018 [25 Pa. Code §127.503]

Application information.

This source consists of all LDAR emission points, including: pump and compressor seals, valves, flanges, relief valves,

SECTION D. Source Level Requirements

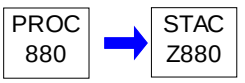
sampling points, fittings, etc... that are not regulated elsewhere in this Title V operating permit.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 880 Source Name: TANK 880 FIXED ROOF 103 BBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

Control Device Efficiencies Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only store volatile organic liquids having a vapor pressure less than 5.2 kPa in this storage tank.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 129.56.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount, type, and vapor pressure of the volatile organic liquids stored in this tank each month.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

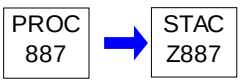
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 887 Source Name: TANK 887 FIXED ROOF 143 BBL

Source Capacity/Throughput: N/A PETROL. LIQUIDS



I. RESTRICTIONS.

Control Device Efficiencies Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only store volatile organic liquids having a vapor pressure less than 5.2 kPa in this storage tank.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 129.56.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount, type, and vapor pressure of the volatile organic liquids stored in this tank each month.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: T001 Source Name: NSPS KB EXT FLOAT TANKS

Source Capacity/Throughput: N/A PETROL LIQUIDS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984

Standard for volatile organic compounds (VOC).

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during the initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled.
(b) When the floating roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as soon as practical.
(c) Each external floating roof shall be equipped with a closure device between the wall of the storage vessel and the roof edge. The closure device meets the following criteria:
(1) consist of two seals, one above the other; or
(2) the primary seal shall be either a metallic shoe seal or a liquid-mounted seal.

(d) Except during inspections required by Condition #002, for this source, both the primary and secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion.
(e) Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, each opening in the roof is to be equipped with a gasketed cover, seal, or lid that is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Automatic bleeder vents are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Rim vents are to be set to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Automatic bleeder vents and rim space vents are to be gasketed. Each emergency roof drain is to be provided with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening.
(f) The primary seal shall also meet the following requirements:
(1) where a metallic shoe seal is in use, one end of the metallic shoe shall extend into the stored liquid and the other end shall extend a minimum vertical distance of 61 centimeters above the stored liquid surface; and
(2) there shall be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope.

(g) The secondary seal shall also meet the following requirements:
(1) the secondary seal shall be installed above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided by Condition #002(a).
(2) there shall be no holes, tears, or other openings in the seal or seal fabric

(h) If during the inspections required in Condition #002(d), above, the primary seal has holes, tears or other openings in the seal or the seal fabric; or the secondary seal has holes, tears or other openings, the permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL.
(i) The permittee shall repair conditions that do not meet the requirements in Conditions #001(b) and (c), above, or subconditions (f) and (g) of this condition no later than forty-five (45) calendar days after identification, or shall empty and remove the storage vessel from service no later than forty-five (45) calendar days after identification. If a failure is detected that cannot be repaired within forty-five (45) calendar days and if the vessel cannot be emptied within forty-five (45) calendar days, a thirty (30) day extension may be requested from the Administrator.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

SECTION D. Source Level Requirements

III. MONITORING REQUIREMENTS.

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Monitoring of operations.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The permittee shall determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the following frequency:
(1) measurements of gaps between the vessel wall and the primary seal (seal gaps) shall be performed during the hydrostatic testing of the vessel or within sixty (60) days of the initial fill with VOL and at least once every 5 years;
(2) measurements of gaps between the vessel wall and the secondary seal shall be performed within sixty (60) days of the initial fill with VOL and at least once per year thereafter; and
(3) if any storage vessel ceases to store VOL for a period of 1 year or more, subsequent introduction of VOL into the vessel shall be considered an initial fill for the purposes of subconditions (a)(1) and (a)(2), above.

(b) The permittee shall determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the following procedures:
(1) seal gaps, if any, shall be measured at one or more floating roof levels when the roof is not resting on the roof leg supports;
(2) seal gaps, if any, shall be measured around the entire circumference of the vessel
in each place where an 1/8 inch diameter uniform probe passes freely (without forcing or binding against the seal) between the seal and the wall of the storage vessel. The circumferential distance of each such location shall also be measured; and
(3) the total surface area of each gap described in subcondition (b)(2), above, shall be determined by using probes of various widths to measure accurately the actual distance from the vessel wall to the seal and multiplying each such width by its respective circumferential distance.

(c) the permittee shall add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum of each seal by the nominal diameter of the vessel.
(d) the permittee shall visually inspect the external floating roof, the primary seal, secondary seal, and fittings each time the vessel is emptied and degassed.
(e) available data on the storage temperature may be used to determine the maximum true vapor pressure for Condition #004(b)(5), for this source, as determined below.
(1) for vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.
(2) for crude oil or refined petroleum products the vapor pressure may be obtained by the following:
(i) available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517, unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s); or
(ii) the true vapor pressure of each type of crude oil with a Reid vapor pressure less than 2.0 psia or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded if the estimated maximum true vapor pressure is greater than 0.51 psia.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.

Throughput type, and amount, for each individual tank, shall be recorded on a monthly basis.

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Reporting and recordkeeping requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.]

SECTION D. Source Level Requirements

(a) The permittee shall keep a record of each gap measurement performed as required by Condition #002(a), above. Each record shall identify the storage vessel in which the measurement was performed and shall contain:
(1) the date of measurement;
(2) the raw data obtained in the measurement; and
(3) the calculations described in Conditions #002(b) and (c), above.

(b) The permittee shall keep records of the following for each storage vessel:
(1) dimension of the storage vessel;
(2) analysis showing the capacity of the storage vessel;
(3) the VOL stored;
(4) the period of storage; and
(5) the maximum true vapor pressure of that VOL during the respective storage period.

V. REPORTING REQUIREMENTS.

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Testing and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) Except as provided in 40 CFR 60.113b, for all the inspections required by Condition #002(d), above, the permittee shall notify the Administrator and the Department in writing at least thirty (30) calendar days prior to the refilling of each storage vessel with organic HAP to afford the Administrator and the Department the opportunity to inspect the storage vessel prior to refilling.
(b) If the inspection required by Condition #002(d), above, is not planned and the permittee could not have known about the inspection thirty (30) calendar days in advance of refilling the vessel with VOL, the permittee shall notify the Administrator and the Department at least seven (7) calendar days prior to refilling of a storage vessel. Notification may be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Alternately, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator and the Department at least seven (7) calendar days prior to refilling.
(c) After each seal gap measurement that detects gaps exceeding the limitations specified in Conditions #001(b) or (c), above, the permittee shall submit a report to the Administrator and the Department within thirty (30) days of inspection. The report will identify the vessel and contain the following information:
(1) the date of measurement;
(2) the raw data obtained in the measurement;
(3) the calculations described in Conditions #002(b) and (c), above; and
(4) the date the vessel was emptied or the repairs made and date of repair.

(d) The permittee shall notify the Administrator and the Department in writing thirty (30) calendar days in advance of any gap measurements required in the monitoring requirements to afford the Administrator and the Department the opportunity to have an observer present.
(e) To utilize the extension specified in Condition #006(i), below, the permittee shall send a request to the Administrator and the Department which includes a demonstration of unavailability of alternate storage capacity and shall specify a schedule of actions that will ensure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 006 [25 Pa. Code §127.503]

Application information.

This source consists of the following individual external floating roof tanks:

- Source 122, Tank 130
- Source 123, Tank 131
- Source 138, Tank 252
- Source 154, Tank 386
- Source 175, Tank 522
- Source 176, Tank 523
- Source 179, Tank 528
- Source 180, Tank 529
- Source 182, Tank 594
- Source 183, Tank 595
- Source 184, Tank 596
- Source 185, Tank 597

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: T002 Source Name: NSPS KB INT FLOAT TANKS

Source Capacity/Throughput: N/A PETROL LIQUIDS

I. RESTRICTIONS.

Fuel Restriction(s).

 # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Standard for volatile organic compounds (VOC).
[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee may not store volatile organic compounds that have a vapor pressure of 11.1 psia or greater under actual storage conditions in this source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Testing and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The permittee shall visually inspect the internal floating roof and the primary seal prior to filling the storage tank with VOL.
(b) The permittee shall visually inspect the internal floating roof and the primary seal through the manholes and roof hatches on the fixed roof at least once every twelve (12) months after the initial fill.
(c) The permittee shall visually inspect the internal floating roof, the primary seal, gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed, and at least every ten (10) years.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.

Throughput type, and amount, for each individual tank, shall be recorded on a monthly basis.

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Reporting and recordkeeping requirements.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall keep a record of each inspection performed as required by Condition #002, for this source, which shall include:

(a) identification of the storage tank;
(b) the date of the inspection; and
(c) the observed condition of each component inspected.

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Monitoring of operations.

SECTION D. Source Level Requirements

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The permittee shall keep records of the following for each storage vessel:
(1) the dimensions of the storage vessel;
(2) the capacity of the storage vessel;
(3) the VOL stored;
(4) the period of storage for which the VOL was stored in the vessel; and
(5) the maximum true vapor pressure of that VOL during the respective storage period.

(b) Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below:
(1) for vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service,
(2) for crude oil or refined petroleum products the vapor pressure may be obtained by the following:
(i) available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517, unless the Administrator specifically requests that the liquid be samples, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s); or
(ii) the true vapor pressure of each type of crude oil with a Reid vapor pressure less than 2.0 psia or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded of the estimated maximum true vapor pressure is greater than 0.51 psia.

V. REPORTING REQUIREMENTS.

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Testing and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) Except as provided in (b), below, for inspections required by Condition #002(a) and (c), for this source, the permittee shall notify the Administrator and the Department in writing at least thirty (30) calendar days prior to the filling or refilling of the tank with VOL to afford the Administrator and the Department the opportunity to inspect the storage vessel prior to refilling.
(b) If the inspection is not planned and the permittee could not have known about the inspection thirty (30) days in advance of refilling the vessel with VOL, the permittee shall notify the Administrator and the Department at least seven (7) calendar days prior to refilling of a storage vessel. Notification may be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator and the Department at least seven (7) calendar days prior to refilling.

 # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Testing and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) After each visual inspection that detects defects, the permittee shall submit a report to the Administrator and the Department within thirty (30) days of the inspection. The report shall contain the following information:

(1) the identity of the storage vessel inspected;
(2) the nature of the defects; and
(3) the date the tank was emptied or the nature of and date the repair was made.

SECTION D. Source Level Requirements

(b) If defects found during the inspection cannot be repaired within forty-five (45) days and if the tank cannot be emptied within forty-five (45) days, a thirty (30) day extension may be requested from the Administrator and the Department in the inspection report required by subcondition (a), above. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the permittee will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

 # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Reporting and recordkeeping requirements.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

If any of the conditions described in Condition #002(b) or (c), above are detected during the inspection, a report shall be furnished to the Administrator of the EPA and the Department within thirty (30) days of the inspection. The report shall identify the following:

(a) the storage vessel;
(b) the nature of the defects; and
(c) the date the storage vessel was emptied or the nature of and date the repair was made.

VI. WORK PRACTICE REQUIREMENTS.

 # 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Standard for volatile organic compounds (VOC).

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) Except for automatic bleeder vents and rim space vents, each opening in a noncontact internal floating roof shall provide a projection below the liquid surface.
(b) Except for automatic bleeder vents, rim space vents, leg sleeves, column wells, ladder wells, sampling wells, and stub drains, each opening in the roof is to be equipped with a gasketed cover or lid that is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
(c) Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
(d) Rim vents shall be equipped with a gasket and are to be set to open only when the roof is being floated off the roof leg supports, or at the manufacturer's recommended setting.
(e) Each penetration of the internal floating roof that allows for the column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
(f) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least ninety (90) percent of the opening.
(g) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

 # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Standard for volatile organic compounds (VOC).

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:

(a) A foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.

SECTION D. Source Level Requirements

(b) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
(c) A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.

 # 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Standard for volatile organic compounds (VOC).

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The internal floating roof shall rest or float on the liquid surface, (but not necessarily in complete contact with it) inside the tank at all times, except during those intervals when the tank is completely emptied or subsequently emptied and refilled.
(b) When the floating roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

 # 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Testing and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) If during the inspection required by Condition #002, for this source, the primary seal has holes, tears or other openings in the seal fabric, or there are defects in the internal floating roof, the permittee shall repair the items as necessary so that none of the conditions specified in this condition exist before filling the storage vessel with VOL.
(b) If during the inspection required by Condition #002(b), for this source, the internal floating roof is not resting on the surface of the VOL inside the tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the permittee shall repair the items or empty and remove the tank from service within forth-five (45) days. If a failure cannot be repaired with in forty-five (45) days and if the vessel cannot be empties within forty-five (45) days, a thirty (30) day extension may be requested in accordance with the requirements specified in Condition #007(b) for this source.
(c) If during the inspection required by Condition #002(c), of this source, the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or seal fabric, or the gaskets n longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than ten (10) percent open area, the permittee shall repair the items as necessary so that none of the conditions specified in this subcondition exist before refilling the tank with VOL.

VII. ADDITIONAL REQUIREMENTS.

 # 013 [25 Pa. Code §127.503]
Application information.

This source consists of the following internal floating roof tanks:

- Source 121, Tank 139
- Source 128, Tank 234
- Source 130, Tank 132
- Source 131, Tank 241
- Source 132, Tank 242
- Source 133, Tank 246
- Source 134, Tank 248
- Source 135, Tank 249
- Source 136, Tank 250
- Source 137, Tank 137
- Source 147, Tank 351

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- Source 148, Tank 352
- Source 149, Tank 353
- Source 150, Tank 354
- Source 151, Tank 355
- Source 155, Tank 387
- Source 156, Tank 388
- Source 157, Tank 389
- Source 158, Tank 390
- Source 170, Tank 452
- Source 172, Tank454
- Source 173, Tank 455
- Source 177, Tank 524
- Source 178, Tank 527
- Source 181, Tank 593
- Source 186, Tank 598
- Source 187, Tank 599
- Source 188, Tank 607
- Source 190, Tank 609
- Source 192, Tank 611
- Source 193, Tank 612
- Source 194, Tank 613
- Source 197, Tank 618
- Source 198, Tank 619
- Source 202, Tank 3
- Source 204, Tank 253
- Source 210, Tank 443
- Source 211, Tank 467
- Source 212, Tank 610
- Source 213, Tank 614
- Source 214, Tank 615
- Source 215, Tank 616
- Source 216, Tank 617
- Source 217, Tank 620
- Source 221, Tank 23
- Source 223, Tank 634
- Source 224, Tank 635
- Source 225, Tank 638
- Source 301, Tank 491
- Source 302, Tank 2
- Source 357, Tank 357
- Source 358, Tank 358

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: T003 Source Name: NESHAP SUBPART R TANKS

Source Capacity/Throughput: N/A PETROL LIQUIDS

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following procedures apply to tanks with a permanently affixed roof and internal floating roof:

(a) at least once every twelve (12) months, the permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every twelve (12) months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the permittee shall repair the items or empty and remove the storage vessel from service within forty-five (45) days. If one or more of the above failures is detected during inspections cannot be repaired within forty-five (45) days and if the vessel cannot be emptied within forty-five (45) days, a thirty (30 day extension may be requested from the Department in the inspection report required for this source. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.
(b) each time the vessel is emptied and degassed, the permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than ten (10) percent open area, the permittee shall repair the items as necessary so that none of the conditions specified above exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years.
(c) notify the Department in writing at least thirty (30) days prior to the filling or refilling of each storage vessel for which an inspection is required by (b), above, to afford the Department the opportunity to have an observer present. If the inspection required by (b), above, is not planned and the permittee could not have known about the inspection thirty (30) days in advance or refilling the tank, the permittee shall notify the Department at least seven (7) days prior to the refilling of the storage vessel.

Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Department at least seven (7) days prior to the refilling.

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984

Testing and procedures.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.]

The following shall apply to tanks with a permanently affixed roof and internal floating roof:

(a) At least once every 12 months, the permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof. If the internal floating roof is not resting on the surface of the volatile organic liquid (VOL) inside the storage vessel, or there is liquid accumulated on the

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roof, or the seal is detached, or there are holes or tears in the seal fabric, the permittee shall repair the items or empty and remove the storage vessel from service within forty-five (45) days. If a failure that is detected during inspections required in this paragraph cannot be repaired within forty (45) days and if the vessel cannot be emptied within forty-five (45) days, a 30-day extension may be requested from the Department in the inspection report required in 40 CFR § 60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

(b) Each time the storage vessel is emptied and degassed, the permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any). If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10% open area, the permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this this paragraph occur at intervals greater than 10 years.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 129.56.]

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.424]

Subpart R -- National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) SOURCE: 59 FR 64318, Dec. 14, 1994, unless otherwise noted.

Standards

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall perform a monthly leak inspection of all equipment in gasoline service. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. Each piece of equipment shall be inspected during the loading of a gasoline cargo tank.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §129.56]

Storage tanks greater than 40,000 gallons capacity containing VOCs

The permittee shall maintain records of each of the inspections performed for each storage vessel.

These records shall include the following:
(a) storage vessel number;
(b) inspection date; and
(c) all observed conditions for each component of the control equipment (seals, floating roof, fittings, etc...).

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984

Monitoring of operations.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.]

(a) The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be maintained for the life of each storage vessel.
(b) The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.
(c) The permittee shall notify the Department within thirty (30) days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range.
(d) Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below:
(1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient

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temperature as reported by the National Weather Service;
(2) For crude oil or refined petroleum products the vapor pressure may be obtained by the following:
(i) Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517 (incorporated by reference—see 40 CFR § 60.17), unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s);
(ii) The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded if the estimated maximum true vapor pressure is greater than 3.5 kPa.

(3) For other liquids, the vapor pressure:
(i) May be obtained from standard reference texts, or
(ii) Determined by ASTM D2879-83, 96, or 97 (incorporated by reference—see 40 CFR § 60.17);
(iii) Measured by an appropriate method approved by the Department; or
(iv) Calculated by an appropriate method approved by the Department.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.424]

Subpart R -- National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) SOURCE: 59 FR 64318, Dec. 14, 1994, unless otherwise noted.

Standards

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) A log book shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility.
(b) Each detection of a liquid or vapor leak shall be recorded in the log book. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than five (5) calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within fifteen (15) calendar days after detection of each leak, except as provided in (c), below.
(c) Delay of repair of leaking equipment will be allowed upon a demonstration to the Administrator that repair within 15 days is not feasible. The permittee shall provide the reason(s) a delay is needed and the date by which each repair is expected to be completed.
(d) Initial compliance with the requirements in (a) through (c), above shall be achieved by existing sources as expeditiously as practicable, but no later than December 15, 1997. For new sources, initial compliance shall be achieved upon startup.
(e) As an alternative to compliance with the provisions in (a) through (c), above, the permittee may implement an instrument leak monitoring program that has been demonstrated to the Administrator as at least equivalent.
(f) The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
(1) Minimize gasoline spills;
(2) Clean up spills as expeditiously as practicable;
(3) Cover all open gasoline containers with a gasketed seal when not in use; and
(4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.428]

Subpart R -- National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) SOURCE: 59 FR 64318, Dec. 14, 1994, unless otherwise noted.

Reporting and recordkeeping.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall record the following information in the log book for each leak that is detected:
(a) the equipment type and identification number;
(b) the nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell);
(c) the date the leak was detected and the date of each attempt to repair the leak;
(d) repair methods applied in each attempt to repair the leak;

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(e) "repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak;
(f) rhe expected date of successful repair of the leak if the leak is not repaired within 15 days; and
(g) the date of successful repair of the leak.

V. REPORTING REQUIREMENTS.

 # 008 [25 Pa. Code §129.56]
Storage tanks greater than 40,000 gallons capacity containing VOCs

On an annual basis, the permittee shall compile a report of fugitive emissions from these sources for submittal to the Department.

 # 009 [25 Pa. Code §129.56]
Storage tanks greater than 40,000 gallons capacity containing VOCs

The permittee shall compile a report on each annual inspection of the floating roofs. Each report shall contain, but not be limited to, the following:

(a) date of inspection;
(b) name of product being stored in the tank at the time of the inspection;
(c) the number of holes, tears, or other openings found in the tank roof, seals, and fittings during the inspection;
(d) whether or not the floating roof was resting atop of the stored product; and
(e) whether or not any stored product is visible on the surface of the floating roof.

 # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Reporting and recordkeeping requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.]

In addition to other requirements, reporting for internal floating roof tanks shall also include the following:

(a) if any of the conditions described in the annual, or emptied and degassed, inspections are detected, a report shall be furnished to the Administrator and the Department within thirty (30) days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.
(b) after each inspection that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects, a report shall be furnished to the Administrator and the Department within thirty (30) days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications listed and list each repair made.

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.428]
Subpart R -- National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) SOURCE: 59 FR 64318, Dec. 14, 1994, unless otherwise noted.
Reporting and recordkeeping.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall submit a semi-annual excess emissions report to the Administrator and the Department in accordance with 40 CFR § 63.10(e)(3), whether or not a CMS is installed at the facility. This report shall include the number of equipment leaks not repaired within five (5) days after detection. The following occurrences are excess emissions events, and the following information shall be included in the excess emissions report, as applicable:

(a) Each exceedance or failure to maintain, as appropriate, the monitored operating parameter value determined under 40 CFR § 63.425(b). The report shall include the monitoring data for the days on which exceedances or failures to maintain have occurred, and a description and timing of the steps taken to repair or perform maintenance on the vapor collection and processing systems or the CMS.
(b) Each instance of a nonvapor-tight gasoline cargo tank loading at the facility in which the permittee failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank

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was obtained.
(c) Each reloading of a nonvapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with 40 CFR § 63.422(c)(2).
(d) For each occurrence of an equipment leak for which no repair attempt was made within five (5) days or for which repair was not completed within fifteen (15) days after detection:
(1) the date on which the leak was detected;
(2) the date of each attempt to repair the leak;
(3) the reasons for the delay of repair; and
(4) the date of successful repair.

VI. WORK PRACTICE REQUIREMENTS.

 # 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Standard for volatile organic compounds (VOC).

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.]

(a) An internal floating roof must be fitted with a primary seal and must comply with the following equipment requirements:
(1) a closure seal, or seals, to close the space between the roof edge and tank wall is used;
(2) there are no holes, tears, or other openings in the seal, seal fabric, or other materials; and
(3) openings, except stub drains, are equipped with covers, lids, or seals such that:
(i) the cover, lid, or seal is in the closed position at all times, except when in actual use;
(ii) automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports; and
(iii) rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at recommended the setting of the manufacturer.

(b) For the purposes of this section, the petroleum liquid storage vessels listed below comply with the equipment requirements of this condition. These tanks shall comply with the maintenance, inspection, and reporting requirements of this source. These vessels are those:
(1) which contain petroleum liquid with a true vapor pressure less than 4 psia (27.6 kPa) and which are of welded construction and which presently possess a metallic-type shoe seal, a liquid-mounted foam seal, a liquid-mounted liquid filled type seal, or other closure device of demonstrated equivalence approved by the Department; or
(2) which are of welded construction, equipped with a metallic-type shoe primary seal and has a secondary seal from the top of the shoe seal to the tank wall (shoe-mounted secondary seal).

 # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Standard for volatile organic compounds (VOC).

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.]

The permittee shall maintain on these storage vessels a fixed roof in combination with an internal floating roof meeting the following specifications:

(a) the internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
(b) each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:
(1) a foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank; or

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(2) a mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.

(c) each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.
(d) each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
(e) automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
(f) rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
(g) each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
(h) each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
(i) each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.424]

Subpart R -- National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) SOURCE: 59 FR 64318, Dec. 14, 1994, unless otherwise noted.

Standards

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
(a) minimize gasoline spills;
(b) clean up spills as expeditiously as practicable;
(c) cover all open gasoline containers with a gasketed seal when not in use; and
(d) minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

VII. ADDITIONAL REQUIREMENTS.

 # 015 [25 Pa. Code §127.503]

Application information.

This source consists of the following individual storage tanks, subject to 40 CFR, Subpart R requirements:

Internal floating roof tanks:
- DEP Source number 121, Tank 139, capacity - 6.5 M barrels
- DEP Source number 128, Tank 234, capacity - 70.1 M barrels
- DEP Source number 130, Tank 132, capacity - 14.6 M barrels
- DEP Source number 131, Tank 241, capacity - 69.3 M barrels
- DEP Source number 133, Tank 246, capacity - 54.4 M barrels
- DEP Source number 134, Tank 248, capacity - 54.4 M barrels
- DEP Source number 135, Tank 249, capacity - 54.4 M barrels
- DEP Source number 136, Tank 250, capacity - 80.4 M barrels
- DEP Source number 137, Tank 137, capacity - 5 M barrels
- DEP Source number 147, Tank 351, capacity - 179.7 M barrels
- DEP Source number 148, Tank 352, capacity - 179.7 M barrels
- DEP Source number 149, Tank 353, capacity - 189.7 M barrels
- DEP Source number 150, Tank 354, capacity - 182.2 M barrels
- DEP Source number 151, Tank 355, capacity - 189.7 M barrels

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- DEP Source number 155, Tank 387, capacity - 80.7 M barrels
- DEP Source number 156, Tank 388, capacity - 80.94 M barrels
- DEP Source number 157, Tank 389, capacity - 80.69 M barrels
- DEP Source number 158, Tank 390, capacity - 76.53 M barrels
- DEP Source number 170, Tank 452, capacity - 13.2 M barrels
- DEP Source number 177, Tank 524, capacity - 75.7 M barrels
- DEP Source number 179, Tank 528, capacity - 150.5 M barrels
- DEP Source number 180, Tank 529, capacity - 150.5 M barrels
- DEP Source number 184, Tank 596, capacity - 81.3 M barrels
- DEP Source number 185, Tank 597, capacity - 81.3 M barrels
- DEP Source number 187, Tank 599, capacity - 53.4 M barrels
- DEP Source number 212, Tank 610, capacity - 96.0 M barrels
- DEP Source number 221, Tank 23, capacity - 0.14 M barrels
- DEP Source number 347, Tank 347, capacity - 190 M barrels
- DEP Source number 348, Tank 348, capacity - 190 M barrels
- DEP Source number 349, Tank F-23, capacity - 1190 barrels
- DEP Source number 606, Tank 244, capacity - 70 M barrels
- DEP Source number 607, Tank 243, capacity - 54.4 M barrels

Fixed roof tanks:
- DEP Source number 146, Tank 344, capacity - 190.3 M barrels
- DEP Source number 340, Tank 340, capacity - 198.8 M barrels
- DEP Source number 880, Tank 880, capacity - 103 barrels
- DEP Source number 887, Tank 887, Capacity - 143 barrels
- DEP Source number 300, Miscellaneous tanks

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: T004 Source Name: NESHAP SUBPART EEEE TANKS

Source Capacity/Throughput: N/A PETROL LIQUIDS

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Fugitive losses of VOCs to the outdoor atmosphere from these sources shall be determined using the latest version of the US EPA's Tanks Program or other Department approved method.

For storage tanks greater than 40,000 gallons capacity containing VOC:
(a) the permittee shall perform routine inspections of the floating roof for each storage tank annually in order to insure compliance with 25 Pa. code § 129.56; and
(b) the inspection shall include a visual inspection of the integrity of the tank seals.

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §129.65]

Ethylene production plants

The permittee shall maintain records of each of the inspections performed for each storage vessel.

These records shall include the following:
(a) storage vessel number;
(b) inspection date; and
(c) all observed conditions for each component of the control equipment (seals, floating roof, fittings, etc...).

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2390]

Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) For each emission source identified in 40 CFR § 63.2338 that does not require control under this subpart, you must keep all records identified in 40 CFR § 63.2343.
(b) For each emission source identified in 40 CFR § 63.2338 that does require control under this subpart:
(1) you must keep all records identified in 40 CFR 63, Subpart SS and in Table 12 of this subpart that are applicable, including records related to notifications and reports, SSM, performance tests, CMS, and performance evaluation plans; and
(2) you must keep the records required to show continuous compliance, as required in subpart SS of this part and in Tables 8 through 10 of this subpart, with each emission limitation, operating limit, and work practice standard that applies to you.

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2394]

Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

In what form and how long must I keep my records?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) Records must be in a form suitable and readily available for expeditious inspection and review according to 40 CFR § 63.10(b)(1), including records stored in electronic form at a separate location.

SECTION D. Source Level Requirements

(b) As specified in 40 CFR § 63.10(b)(1), you must keep your files of all information (including all reports and notifications) for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
(c) You must keep each record on site for at least two (2) years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR § 63.10(b)(1). You may keep the records off site for the remaining three (3) years.

V. REPORTING REQUIREMENTS.

 # 005 [25 Pa. Code §129.65]
Ethylene production plants

On an annual basis, the permittee shall compile a report of fugitive emissions from these sources for submittal to the Department.

 # 006 [25 Pa. Code §129.65]
Ethylene production plants

The permittee shall compile a report on each annual inspection of the floating roofs. Each report shall contain, but not be limited to, the following:

(a) date of inspection;
(b) name of product being stored in the tank at the time of the inspection;
(c) the number of holes, tears, or other openings found in the tank roof, seals, and fittings during the inspection;
(d) whether or not the floating roof was resting atop of the stored product; and
(e) whether or not any stored product is visible on the surface of the floating roof.

VI. WORK PRACTICE REQUIREMENTS.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2346]
Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
What emission limitations, operating limits, and work practice standards must I meet?

Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

For each storage tank storing organic liquids that meets the tank capacity and liquid vapor pressure criteria for control in Table 2 of Subpart EEEE, Items 1 through 5, you must comply with (a), (b), (c), or (d), below. For each storage tank storing organic liquids that meets the tank capacity and liquid vapor pressure criteria for control in Table 2 of Subpart EEEE, Item 6, you must comply with (a), (b), or (d), below;

(a) meet the emission limits specified in Table 2 of Subpart EEEE and comply with the applicable requirements specified in 40 CFR part 63, subpart SS, for meeting emission limits, except substitute the term “storage tank” at each occurrence of the term “storage vessel” in subpart SS;
(b) route emissions to fuel gas systems or back into a process as specified in 40 CFR part 63, subpart SS;
(c) comply with 40 CFR part 63, subpart WW (control level 2); or
(d) use a vapor balancing system that complies with the requirements specified in 40 CFR § 63.2346(a)(4)(i) through (vii) and with the recordkeeping requirements specified in 40 CFR § 63.2390(e).

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2350]
Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
What are my general requirements for complying with this subpart?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

For Organic Liquids Distribution (OLD) storage vessels and associated equipment, the permittee must always operate and maintain the affected sources, including air pollution controls and monitoring equipment, according to the provisions in 40 CFR § 63.6(e)(1)(i).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 009 [25 Pa. Code §127.503]

Application information.

This source consists of the following individual tanks, subject to 40 CFR 63, Subpart EEEE requirements:

- DEP Source number 178, Tank 527, capacity - 69.7 M barrels
- DEP Source number 186, Tank 598, capacity - 49.6 M barrels
- DEP Source number 190, Tank 609, capacity - 98.17 M barrels
- DEP Source number 194, Tank 613, capacity - 14.2 M barrels
- DEP Source number 197, Tank 618, capacity - 14.6 M barrels
- DEP Source number 198, Tank 619, capacity - 14.2 M barrels
- DEP Source number 202, Tank 3, capacity - 41.0 M barrels
- DEP Source number 203, Tank 12, capacity - 54.0 M barrels
- DEP Source number 206, Tank 269, capacity - 12.0 M barrels
- DEP Source number 210, Tank 443, capacity - 20 M barrels
- DEP Source number 211, Tank 467, capacity - 32.5 M barrels
- DEP Source number 213, Tank 614, capacity - 11.32 M barrels
- DEP Source number 214, Tank 615, capacity - 12.8 M barrels
- DEP Source number 215, Tank 616, capacity - 12.8 M barrels
- DEP Source number 216, Tank 617, capacity - 14.4 M barrels
- DEP Source number 217, Tank 620, capacity - 12.76 M barrels
- DEP Source number 223, Tank 634, capacity - 11.83 M barrels
- DEP Source number 224, Tank 635, capacity - 11.92 M barrels
- DEP Source number 225, Tank 638, capacity - 61.13 M barrels
- DEP Source number 301, Tank 491, capacity - 50.2 M barrels
- DEP Source number 302, Tank 2, capacity - 59.5 M barrels

***** Permit Shield in Effect. *****

SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description
031	AUXILIARY BOILER 1

Emission Limit			Pollutant
0.060	Lbs/MMBTU	30-day rolling average	CO
113.670	Tons/Yr	4 boiler aggregate	CO
0.050	Lbs/MMBTU	30-day rolling average	NOX
118.540	Tons/Yr	4 boiler aggregate	NOX
0.008	Lbs/MMBTU	30-day rolling average	SOX
41.700	Tons/Yr	4 boiler aggregate	SOX
0.001	Lbs/MMBTU	30-day rolling average	Sulfuric Acid
4.200	Tons/Yr	4 boiler aggregate	Sulfuric Acid
0.010	Lbs/MMBTU	30-day rolling average	TSP
26.370	Tons/Yr	4 boiler aggregate	TSP
0.004	Lbs/MMBTU	30-day rolling average	VOC
7.320	Tons/Yr	4 boiler aggregate	VOC

Source Id	Source Description
032	AUXILIARY BOILER 2

Emission Limit			Pollutant
0.060	Lbs/MMBTU	30-day rolling average	CO
113.670	Tons/Yr	4 boiler aggregate	CO
0.050	Lbs/MMBTU	30-day rolling average	NOX
118.540	Tons/Yr	4 boiler aggregate	NOX
0.008	Lbs/MMBTU	30-day rolling average	SOX
41.700	Tons/Yr	4 boiler aggregate	SOX
0.001	Lbs/MMBTU	30-day rolling average	Sulfuric Acid
4.200	Tons/Yr	4 boiler aggregate	Sulfuric Acid
0.010	Lbs/MMBTU	30-day rolling average	TSP
26.370	Tons/Yr	4 boiler aggregate	TSP
0.004	Lbs/MMBTU	30-day rolling average	VOC
7.320	Tons/Yr	4 boiler aggregate	VOC

Source Id	Source Description
033	AUXILIARY BOILER 3

Emission Limit			Pollutant
0.060	Lbs/MMBTU	30-day rolling average	CO
113.670	Tons/Yr	4 boiler aggregate	CO
0.050	Lbs/MMBTU	30-day rolling average	NOX
118.540	Tons/Yr	4 boiler aggregate	NOX
0.008	Lbs/MMBTU	30-day rolling average	SOX
41.700	Tons/Yr	4 boiler aggregate	SOX
0.001	Lbs/MMBTU	30-day rolling average	Sulfuric Acid
4.200	Tons/Yr	4 boiler aggregate	Sulfuric Acid
0.010	Lbs/MMBTU	30-day rolling average	TSP
26.370	Tons/Yr	4 boiler aggregate	TSP
0.004	Lbs/MMBTU	30-day rolling average	VOC
7.320	Tons/Yr	4 boiler aggregate	VOC

SECTION F. Emission Restriction Summary.

Source Id	Source Description
034	AUXILIARY BOILER 4

Emission Limit			Pollutant
0.060	Lbs/MMBTU	30-day rolling average	CO
113.670	Tons/Yr	4 boiler aggregate	CO
0.050	Lbs/MMBTU	30-day rolling average	NOX
118.540	Tons/Yr	4 boiler aggregate	NOX
0.008	Lbs/MMBTU	30-day rolling average	SOX
41.700	Tons/Yr	4 boiler aggregate	SOX
0.001	Lbs/MMBTU	30-day rolling average	Sulfuric Acid
4.200	Tons/Yr	4 boiler aggregate	Sulfuric Acid
0.010	Lbs/MMBTU	30-day rolling average	TSP
26.370	Tons/Yr	4 boiler aggregate	TSP
0.004	Lbs/MMBTU	30-day rolling average	VOC
7.320	Tons/Yr	4 boiler aggregate	VOC

Source Id	Source Description
113	(6) DIESEL ENGINE PUMPS

Emission Limit			Pollutant
6.110	Tons/Yr		CO
23.790	Tons/Yr		NOX
2.740	Tons/Yr		SOX
500.000	PPMV	per engine	SOX
0.040	gr/DRY FT3	per engine	TSP
2.320	Tons/Yr		TSP
0.910	Tons/Yr		VOC

Source Id	Source Description
132	TANK 242 INT FLOAT 69.2 MBBL

Emission Limit		Pollutant
3.230	Tons/Yr	VOC

Source Id	Source Description
139	COOLING TOWERS

Emission Limit			Pollutant
1.470	Tons/Yr	15-6 plant	VOC
2.210	Tons/Yr	17-1P plant	VOC
4.600	Tons/Yr	15-2B plant	VOC

Source Id	Source Description
172	TANK 454 INT FLOAT 11.8 MBBL

Emission Limit			Pollutant
7.500	Tons/Yr	agregate of tanks 172, 188, 192, 198, and 221.	VOC

Source Id	Source Description
173	TANK 455 INT FLOAT 11.9 MBBL

Emission Limit			Pollutant
40.400	Tons/Yr	group limit	VOC

SECTION F. Emission Restriction Summary.

Source Id	Source Description
190	TANK 609 INT FLOAT 98.17 MBBL

Emission Limit			Pollutant
4,660.000	Lbs/Yr	Source 190	VOC

Source Id	Source Description
193	TANK 612 INT FLOAT 103.4 MBBL

Emission Limit			Pollutant
40.400	Tons/Yr	group limit	VOC

Source Id	Source Description
194	TANK 613 INT FLOAT 14.2 MBBL

Emission Limit			Pollutant
40.400	Tons/Yr	group limit	VOC

Source Id	Source Description
197	TANK 618 INT FLOAT 14.6 MBBL

Emission Limit			Pollutant
1,260.000	Lbs/Yr		VOC

Source Id	Source Description
198	TANK 619 INT FLOAT 14.2 MBBL

Emission Limit			Pollutant
101.000	Tons/Yr		Benzene

Source Id	Source Description
203	TANK 12 FIXED ROOF 54 MBBL

Emission Limit			Pollutant
40.400	Tons/Yr	group limit	VOC

Source Id	Source Description
204	TANK 253 INT FLOAT 90.5 MBBL

Emission Limit			Pollutant
40.400	Tons/Yr	group limit	VOC

Source Id	Source Description
210	TANK 443 INT FLOAT 20.0 MBBL

Emission Limit			Pollutant
2.500	Tons/Yr	agg. (210/211/301)	VOC

Source Id	Source Description
211	TANK 467 INT FLOAT 32.5 MBBL

Emission Limit			Pollutant
2.500	Tons/Yr	agg. (210/211/301)	VOC

Source Id	Source Description
212	TANK 610 INT FLOAT 96.0 MBBL

Emission Limit			Pollutant
40.400	Tons/Yr	Group limit	VOC

Source Id	Source Description
213	TANK 614 INT FLOAT 13.2 MBBL

Emission Limit			Pollutant
40.400	Tons/Yr	group limit	VOC

SECTION F. Emission Restriction Summary.

Source Id	Source Description

214 TANK 615 INT FLOAT 14.4 MBBL

Emission Limit			Pollutant
40.400	Tons/Yr	group limit	VOC

215 TANK 616 INT FLOAT 14.5 MBBL

Emission Limit			Pollutant
40.400	Tons/Yr	group limit	VOC

216 TANK 617 INT FLOAT 14.4 MBBL

Emission Limit			Pollutant
0.980	Tons/Yr		VOC

217 TANK 620 INT FLOAT 12.5 MBBL

Emission Limit			Pollutant
1.280	Tons/Yr		VOC

221 TANK 23 INT FLOAT 0.14 MBBL

Emission Limit			Pollutant
7.500	Tons/Yr	group limit	VOC

223 TANK 634 INT FLOAT 11.83 MBBL

Emission Limit			Pollutant
40.400	Tons/Yr	group limit	VOC

224 TANK 635 INT FLOAT 11.92 MBBL

Emission Limit			Pollutant
40.400	Tons/Yr	group limit	VOC

225 TANK 638 INT FLOAT 61.13 MBBL

Emission Limit			Pollutant
40.400	Tons/Yr	group limit	VOC

301 TANK 491 INT FLOAT 50.2 MBBL

Emission Limit			Pollutant
2.500	Tons/Yr	group limit	VOC

357 TANK 357 INT FLOAT 182.9 MBBL

Emission Limit			Pollutant
4.480	Tons/Yr	group limit	VOC

358 TANK 358 INT FLOAT 182.9 MBBL

Emission Limit			Pollutant
4.480	Tons/Yr	group limit	VOC

SECTION F. Emission Restriction Summary.

Source Id	Source Description
701	WASTEWATER TREATMENT SYSTEM

Emission Limit		Pollutant
0.002	Lbs/Hr	Benzene
0.010	Tons/Yr	Benzene
0.210	Lbs/Hr	VOC
0.900	Tons/Yr	VOC

Site Emission Restriction Summary

Emission Limit	Pollutant

SECTION G. Miscellaneous.

The following is a list of historical data that form the basis for some of the conditions in this permit. These took place when these sources were permitted under Title V Operating Permit, number 23-00001, which was issued to Sunoco, Inc (R&M). Since these sources were purchased by SPMT, the history has been retained here.

The following activities occur at this facility, which do not require any source specific monitoring, recordkeeping, or reporting requirements. Emissions from these sources still need to be accounted for. Certain requirements may be required under a group condition or may be found in Section B or C of the permit:

- Storage tanks that are not subject to other state of federal regualtions, as listed below:

A-10, stores fresh acid, 63,000 gal cap.
A-11, stores fresh acid, 63,000 gal cap.
A-12, stores spent acid, 63,000 gal cap.
A-13, stores spent acid, 63,000 gal cap.
A-15, stores fresh acid, 2,000 gal cap.
S-10, stores spent caustic, 13,440 gal cap.
S-27, stores fresh caustic, 12,390 gal cap.
S-33, stores spent caustic, 21,084 gal cap.
S-36, stores fresh caustic, 18,900 gal cap.
S-39, stores fresh caustic, 3,000 gal cap.
S-8, stores fresh caustic, 8,736 gal cap.
S-9, stores fresh caustic, 8,736 gal cap.
V-34, stores caustic, 17,052 gallon cap.
Oily water storage tanks: 827, 829, 831, 832, 883, 891, and 897.
Lube tanks: 860, 862, 864, 865, 866, 867, 869, 871, 873, 874, and 875.
diesel storage tanks: 877 (252 gallon cap) and 879 (546 gallon cap).
Additive storage: 900, 940, and 941.
Water storage: T-101 (storm water), W-17 and W-24 (city water), W-26 (process water), W-27 (city water), 842, 843, and 844 (all brine storage).

- Storage tanks with capacities smaller than 40,000 gallons that store organic materials with vapor pressures below 1.5 psia: 1, 53, 127, 128, 129, 887, and 899.

- Tank truck loading of low vapor pressure materials such as lubricating oil & residual oil: includes LSC Lubricants at Second Street, lubricant loading at S-8 alleyway rack, lubricant loading at "B" pump house; and the bunker loading rack on Hewes Ave.

- Railcar loading of low vapor pressure materials such as lubricating oil and residual oil: includes LSC lubricants loading and unloading at East lubricants loading rack, unloading at spur 39 (Sundex area), loading and unloading at the West lubricants rack.

- General maintenance shops including; R & D mechanical shop, "A" group mechanical shop, "B" group mechanical shop, "C" group mechanical shop, & "D" group mechanical shop.

- Marine vessel loading of materials with vapor pressures lower than 4.0 psia.

- The following permits and/or plan approvals have been incorporated into the Title V operating permit:
PA-23-0001D, PA-23-0001E, PA-23-0001F, PA-23-0001H, PA-23-0001J, PA-23-0001K, PA-23-0001L, PA-23-0001N, PA-23-0001O, OP-23-0001, and 23-312-217GP.

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November, 2003, APS - 346700, AUTH ID - 507623. The Department amended the Title V permit to incorporate the following plan approvals: PA-23-0001P and PA-23-0001R.

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November 2004. APS:346700 , AUTH ID: 560048. The Department amended the permit to address agreed upon changes to the permit (as listed below), and to address an administrative amendment application for the toluene loading rack (Source ID 609). The following permits have been added to the TVOP amendment: 23-312-188 and 23-312-203. The following RFD's have been submitted to, and finalized by, the Department since the Title V permit was originally issued: 23-A01-784 and 23-A01-747.

This amendment also addresses the following changes:

- Tanks 132 (Tank 242) and 137 (Tank 137) have been created and added to the permit.

SECTION G. Miscellaneous.

- New recordkeeping requirements have been created for sources 040, 045, 046, 060, 075A, 078, 087, 088, 089, and 099 (Boilers and Heaters).
- Source 088 (Boiler 6). Typo corrected for Condition #011.
- Sources 104 and 105. Capacities for the two flares have been added to the permit.
- The typo in the cooling towers (source 111) has been corrected.
- Missing conditions were added for sources 115 (Marine Vessel Loading) and 401 (Benzene Barge Loading) from 40 CFR §§ 63.305(a)(3), (a)(5), and 61.302(f) and (g).
- Source 117 (Cam II Loading Rack). A new source (Source 119) was created and the two gasoline loading racks are now separate sources.
- Source 124 (Tank 169). New conditions were added to the permit.
- Source 171 has been removed from service and from the permit.
- Sources 185 (Tank 597), 205 (Tank 254), and 214 (Tank 615). The conditions for these sources have been clarified.
- Source 221 (Tank 23). New emission limit has been added.
- Source 245 (Tank 245). New conditions were added to the permit.
- Source 340 (Tank 340). This source was added to the permit.
- Source 349 (Tank F-23). Added new conditions from 40 CFR 63, Subpart CC, Group 1, and added to tanks group T001.
- Sources 350 (Tank F3) and 351 (Tank F4). Clarified several conditions for these two tanks.
- Source 401 (Benzene barge loading). Corrected the typos in this source.
- Source 609 (Organic Chemical Production). Added new requirement concerning maximum vapor pressure if 1.5 psia.
- Source 701(Wastewater treatment facility). Added conditions from 40 CFR, Subpart QQQ for the wastewater system.
- Section G. Removed all tanks from the miscellaneous section of the permit and created a source.
- T001. Added conditions pertaining to external floating roof tanks that were converted to internal floating roof tanks.
- T003. Added the following tanks/sources to this tank group: M01, F01, F02, F05, 367, 368, and 460,and source numbers 205, and 213.
- T004. Removed this tanks group from the permit.
- T006. Clarified the allowable seal types for this source group.
- T007. Added conditions pertaining to external floating roof tanks that were converted to internal floating roof tanks.
- T008. Created SOCMI Group 2 and added appropriate tanks.
- Source 214 (Tank 615). Clarified applicable requirements.
- Source 205 (Tank 254). Clarified applicable requirements.
- Source 127. Source removed from service and from permit.
- Source 146 (Tank 344). Clarified tank status.
- The following sources have been added to T001: 147, 148, 150, 155, 156, and 157.
- Sources 160, 161, 163, and 164 have been removed from service and the permit.
- Source 221 (Tank 23). Tank status changed from NSPS Kb to MACT Group 1 (T001).
- Sources 123 (Tank 131) and 130 (Tank 132) were added to the permit.
- Source 121 (tank 139). Tank status changed to MACT Group 1 (T001).
- Source 124 (Tank 169). This tank has an internal floating roof, but is also vented to the vapor recovery unit for the gasoline loading rack. The mapping has been changed, and the tank is now listed in T006.
- Source 368. Clarified that the diesel and gasoline tanks are subject to different requirements.
- Source 170 (Tank 452). Clarified the proper conditions.
- The following tanks have been moved to Source 300: 856, 861, and 863.
- The following storage tanks involved with the lube areas were removed from the facility (2003), and subsequently from this permit: 36, 37, 41, 43, 44, 45, 46, 47, 49, 50, 52, 59, 61, 68, 69, 70, 72, 73, 74, 81, 83, 180, 181, 183, 184, 190, 191, 192, 194, 198, 199, 400, 401, 402, 403, 404, 405, 406, 407, 409, 410, 411, 414, 415, 416, 445, and 448.
- Sources 221 (Tank 23), 172 (Tank 454), 188 (Tank 607), 192 (Tank 611), and 198 (Tank 619) now have a group emission limit, which has been added to the permit.
- Source 349 (Tank F-23): This source is newly added to the permit and is listed under T001.
- The following tanks have been removed from service at the refinery, and have been removed from the permit: 1, 151, 155, 157, 310, 312, 318, 326, 330, 495, 850, 851, and 853.
- Source 300. This source was created to address those previously insignificant tanks that were listed in the miscellaneous section of the permit.
- Source 124 (tank 169). New tank added to the permit.
- Source 218 (tank 166): New conditions were added to the source.

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January 2005, APS: 346700, AUTH ID: 577533. The Department amended this permit for cause to address EPA and Department approval of a waiver for the Benzene destruction for Source 115.

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November, 2005, APS: 346700, Auth ID: 574790. The Department amended this permit to address the following:

SECTION G. Miscellaneous.

- Incorporate Plan Approval No. PA-23-0001S.
- Source 103 (Benzene Waste NESHAPs) has been added to the permit, and the relative conditions removed from the site level.
- Source 114 has been removed from the permit.
- Corrected typographical errors to sources 101, 800, 801, 802, and 803.
- Added Small NOx Budget regulations from 25 Pa. Code, Chapter 129, to Sources 101 and 113.

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April, 2006. APS: 346700, Auth: 619728. The Department amended this permit for cause to address the omission of several sources (623, 624, and 625) that were not carried over from the previously issued permit, creation of a new source (101A) - a pre-heater for the FCCU, and clarification that a group VOC emission limit (from PA-23-0001J) for 17 tanks does not apply as individual limits.

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November 2006. APS: 346700, AUTH: 647940. Minor Permit Amendment to incorporate conditions from the federal consent decree (05cv02866) for source 103 to address the installation of double carbon canisters. Sources 087, 088, 089, and 092 have been permanently shut down and have been removed from the permit. Sources 623, 624, and 625 have been removed as they are physically located in the state of Delaware.

Site condition #032, from the previous permit authorization has been deleted upon request by the permittee. An ERC application was submitted, then withdrawn and Sunoco was never eligible for the ERCs noted in this condition. GAE 12-8-2006.

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April 2007. APS: 346700, AUTH: 696829. Renewal of the Title V permit. The following changes are note at this time:
- It is noted here that this facility is subject to a waste water discharge permit, number 1OT-03-02.
- 30 Still (Semi Works). The refinery conducts infrequent loading events involving high octane, alkylate product. These events are infrequent and are considered an insignificant emission source.
- The following tanks have been closed in place, though they have not been removed from the facility: 19, 29, 30, 31, 32, 33, 54, 55, 426, 427, 428, 429, 433, 510, 888, and 889.
- Source 619 (17-2A Reformer) has been added to the operating permit.

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Janaury 2008. APS: 346700, AUTH: 702946. Administrative amendment to incorporate plan approval 23-0003W, for low sulfur gasoline, into the Title V permit. Sources added to the operating permit were: 705 and 706. A cooling tower (12-4 HDS Plant) from this plan approval was also added to Source 111.
- Additionally, the Department created some milestones for the FCCU (Source 101), as outlined in a letter dated 10-31-2007, from Dave Brown (DEP) to Steve Martini (Sunoco).

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November 2008. APS: 346700, AUTH: 696829. Administrative Amendment and permit renewal.
The facility has no sources subject to CAM. All possibly affected sources at the facility have been exempted from CAM as allowed under 40 CFR § 64.2(b).
- This renewal addresses an administrative amendment to incorporate plan approval, 23-0001X (for the FCCU and propane/propylene splitter) and the installation of an anhydrous ammonia injection system.
- The renewal/amendment corrected numerous typographical errors and clarifications to the tank capacities and throughputs, as well as changes made to Source 111 (Cooling Towers).
- Inclusion of the applicable parts of 40 CFR 63, Subpart GGGGG (Site Remediation MACT), is addressed in Section C of the permit.
- Changes to the conditions in Sources 117, and 119 (Loading Racks).
- Source 500 (Middle Creek Conveyence) has been removed from the operating permit and its conditions have been moved to source 701 (Wastewater Treatment System).
- Created Source, Number 619 (17-2A reformer), subject to 40 CFR 63, Subpart UUU.
- Source 101, FCCU. Removed a NOx emission limit of 0.0149 lbs NOx/barrel of crude oil. This limit was designed for refinery operation with one CO Boiler. After the second CO Boiler was installed, the limit became irrelevant as the flow from the FCCU to the CO Boilers cannot be directed to specific units.
- New federal regulation, 40 CFR 63, Subpart UUU - applies to Sources 101 and 619.
- Netting analysis that was erroneously carried through from plan approval 23-001K as an emission limit has been removed.
- Reduction in a group VOC emission limit from plan approval 23-0001J. Some tanks were previously removed from the TVOP, but the emission limit did not reflect this change.
- Various CEMs conditions through out the operating permit changed to address new Central Office Guidance.
- Changed the semi-annual deviation and compliance certification reporting criteria.
- Removed an old ERC condition from Source 701 because it does not represent an accurate ERC picture.

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August 2009, APS 346700: AUTH: 786098. Two separate Department actions under one Administrative Amendment that addresses the following:

SECTION G. Miscellaneous.

- incorporation of Plan Approval, Number 23-0001Z. The new sources are numbered 031, 032, 033, and 034. These boilers are exempted from CAM for NOx due to the use of CEMs for this air contaminant; and
- aggregated the cyclohexane and benzene throughput limitations and emission limit for source 609 to allow for operational flexibility in the production of these two chemicals.

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May 2010. APS: 346700, Auth 814674. Minor Operating Permit Modification to address the following:
- Incorportaion of applicable requirements from consent decree (5CV-02866) dealing with the NSPS, Subpart J regulation and the Alternative Monitoring Plan (AMP) for two flares (Sources 104 and 105).
- Changes to VOC emission limits due to heated storage tanks above ambient temperatures for the following source numbers: 172, 188, 192, 198, 221, 173, 193, 194, 203, 204, 205, 206, 212, 213, 214, 215, 223, 224, 225, 190, 197, 216, and 217. Emission limitations to these tanks were originally permitted using EPAs Tanks 3.0 program. The facility now uses the 4.09 versoin of hte Tanks program. This version allowed companies to account for heated tanks. Emissions and throughput did not increase, except that now they could be accounted for.
- Clarification to the conditions pertaining to Department Certified CEMS (Sources 031, 032, 033, 034, 045, 060, 099, 101, 101A, 705, 706, and the Fuel Gas Mix Drum). These now refer to conditions located in Section C of the permit.
- Addition of two plant areas (10 and 12 plants) that were missing from the list of affected sources for the MACT LDAR requirements in Source 802.
- Address a change in federal regulations for Source 802. In the October 28, 2009 Federal Register (beginning on 74 FR 55656), it is noted that 40 CFR §§ 63.654 and 655 have been redesignated as 40 CFR §§ 63.655 and 656, respectively.

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March 2011. APS: 346700, AUTH: 869507. Administrative amendment to incorporate plan approval, number 23-0001AA into the TVOP. One cooling tower (12-3 Plant) was replaced with a same size/capacity cooling tower. This cooling tower, aloing with the others in this source (exceptions noted), is subject to the heat exchanger regulations found in 40 CFR 63, Subpart CC, when they become effective on October 28, 2012.

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July 2012. APS: 346700, AUTH: 934938. Administrative amendment to address a single source determination for Sunoco's Marcus Hook and Philadelphia refineries.

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August 2012. APS: 346700, AUTH: 938378. Administrative amendment to remove permitted sources from the TVOP and to memorialize the creation of ERCs as follows:
NOx - 406.60 tons
SO2 - 128.78 tons
VOC - 35.19 tons
CO - 564.71 tons
PM10 - 346.27 tons
PM2.5 - 346.27 tons
- Additionally, the Department has quantified the following actual emission from the Sunoco, Marcus Hook Refinery:
GHGs (CO2e) - 1,277,804.60 tons
Sulfuric Acid Mist ("SO3") as that term is used in the consent decree - 56.07 tons

- The above ERCs were generated from the permanent shutdown of the following sources: Source 040 (10-4 Feed Heater), Source 045 (12-3 Desulphurization Heater), Source 060 (15-1 Crude Heater), Source 075 (17-2A H-01, H-02, H-03 Heater), Source 078 (17-2A H-04 Heater), Source 099 (12-3 Crude Heater H-3006), Sources 101 and 101a (10-4 FCC Unit) and including CO Boilers (COB1 and COB3), Source 111 (Cooling towers), Source 705 (LSG HDS Heater), and Source 706 (LSG Stabilizer Heater). These sources shall not be started up without first obtaining a plan approval from the Department.
- Removal of source group conditions pertaining to the group NOx, SO2, and PM emission limits for three combustion turbines (owned and operated by Next Era, formerly FPL), four (4) auxiliary boilers, FCCU catalyst regenerator (Part of Source 101), CO Boilers COB1 and COB3, and the combustion turbine, MH50 (owned and operated by Next Era, formerly FPL).
- Creation of a new source (number 139) for the cooling towers which will remain in operation at this site.
- Clarification to the grab sample condition for the four (4) boilers that sampling and analysis only need to be performed when operating on RFG and/or RFG and natural gas.
- Removal of two (2) cooling towers (15-2S and 15-2Poly) that have been sold to Braskem America Inc., permit number 23-00012.

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June 2013. APS: 346700, AUTH: 979365. Permit amendment to address the disaggregation of this former Sunoco Marcus Hook refinery and the former Sunoco Philadelphia Refinery (now Philadelphia Energy Solutions) as it pertains to NSR and PSD applicability.
- Additional changes inlcude removal of several conditions that were overlooked at the last amendment when numerous sources were permanently shutdown.
- Removal of Source 619 (17-2A reformer) that was shutdown and the ERCs were generated in the August 2012 amendment, but

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was not removed from the TVOP.
- Change of SIC from 2911 to 4226.
- It is noted that the 12-3 crude vac heater H-301 was permanently shut down in March 2002. The Department verified that it was decommissioned during its December 2003 inspection.

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February 2012. APS: 823642, AUTH: 994392. Initial Title V operating permit issued (due to change of ownership from Sunoco Inc. (R&M) to an owner (Sunoco Partners Marketing & Terminals, L.P.)) that never had a previous operating permit.)
- Site Remediation MACT (40 CFR 73, Subpart GGGGG) has been removed from the permit as the facility is exempted under 40 CFR § 63.7881(b)(3).
- The following Emission Reduction Credits (ERCs) have been generated following the permanent shutdown on December 31, 2011 of the 10 Plant Flare (Source 105) and the 12 Plant Flare (Source 104) to be used for future offsetting or for sale:
(a) NOx - 38.00 tons;
(b) SO2 - 2.54 tons;
(c) VOC - 78.88 tons;
(d) CO - 199.78 tons;
(e) PM - 64.32 tons; and
(f) PM2.5 - 64.32 tons.
In accordance with 25 Pa. code § 127.207(f), these ERCs have a 10-year life and will expire on December 30, 2021.

****** End of Report ******